INDEX TO VOLUME 13

AUTHOR INDEX

* Original article.

† Abstract of paper presented at the Thirty-fifth Annual Meeting of The Endocrine Society.

ABARBANEL, A. R.: The time of ovulation in the human female. V. Transvaginal pelvioscopy: correlation of ovarian status with basal body temperature curve and endometrial biopsy findings, 868†

——, *see* ENGEL, L. L., 903*

ABELOVE, W., *see* PASCHKIS, K. E., 843†

ACKERMANN, P. G., *see* KOUNTZ, W. B., 534*

AHLMAN, K. L.; ERÄNKÖ, O.; KARVONEN, M. J., and LEPPÄNEN, V.: Mineral composition of thermal sweat in healthy persons, 773*

ALBERT, A.: Effects of altered thyroid function upon the metabolism of endogenously labeled hormone, 880†

——, *see* BLACKBURN, C. M., 852†

——, *see* GASTINEAU, C. F., 724*

ALBRIGHT, F.; HENNEMAN, P.; BENEDICT, P. H., and FORBES, A. P.: Idiopathic hypercalciuria, 860†

——, *see* KUPPERMAN, H. S., 154*

ALLEN, W. M., *see* Questions and Answers, 745, 1150

AMELUNG, D.; HÜBENER, H. J.; ROKA, L., and MEYERHEIM, G.: Conversion of cortisone to compound F (Letter to the *Editor*), 1125*

ANDERSON, E., *see* ROSEMBERG, E., 876†

ANDREWS, E., *see* ROTHCHILD, I., 1213*

APAJALAHTI, J., *see* VARTIAINEN, I., 1502*

ARGONZ, J., and DEL CASTILLO, E. B.: A syndrome characterized by estrogenic insufficiency, galactorrhea and decreased urinary gonadotropin, 79*

ARNER, B.; LUFT, R.; OLIVECRONA, H., and SJÖGREN, B.: Successful treatment of a case of Cushing's syndrome by electrocoagulation of the hypophysis, 1101*

ARONS, W. L.; VANDERLINDE, R. J., and SOLOMON, A. K.: The simultaneous measurement of exchangeable sodium and potassium spaces in man, 840†

——, *see* THORN, G. W., 604*, 957*

ARTUNKAL, S. S.; ÖNEN, K. H., and GÖRPE, A.: Effect of tetraethylammonium bromide on the eosinopenic response to epinephrine (Letter to the Editor), 1122*

ASHMORE, J. E., recipient of the 1953 Schering Fellowship (Endocrine Society), 1018

ASPER, S. P., JR., *see* WISWELL, J. G., 851†

ASSALI, N. S.; CLARK, L. C., JR., and SOBEL, E. H.: Studies on toxemia of pregnancy: effect of desoxycorticosterone acetate (*DCA*) on hemodynamics and electrolyte balance of normal pregnant women, 1030*

ASTWOOD, E. B., *see* GREER, M. A., 1312*

BAKER, E., *see* GOLDZIEHER, J. W., 869†

BAKER, R.; GOVAN, D.; HUFFER, J., and CASON, J.: Biologic titration of diethylstilbestrol against activity of prostatic cancer: effect on serum aldolase, 383*

BALCH, H. E.; SPIEGEL, E. H.; UPTON, A. L. and KINSELL, L. W.: Hyperparathyroidism: report of 2 cases with some relatively unusual manifestations (Teaching *Clinic*), 733*

——, *see* KINSELL, L. W., 861†

BALZE, F. A. DE LA; BUR, G. E.; SMITH, C. S., and IRAZU, J.: Elastic fibers in the tunica propria of normal and pathologic human testes, 833†

——; MANCINI, R. E.; BUR, G. E., and IRAZU, J.: Study of the morphologic and histochemical changes produced by estrogens in adult human testes, 867†

BARNUM, C. P., *see* HALBERG, F., 871†

BARRETT, J. L., *see* SZILAGYI, D. E., 1347*

BARTELS, E. C.: Clinical experience with a new antithyroid drug: 2-carbethoxy-thio-1-methylglyoxaline, 1305*

——: Post-thyroidectomy myxedema after preoperative use of antithyroid drugs, 95*

BARRY, M. C., and PUGH, A. E.: Serum concentrations of radioiodine in diagnostic tracer studies, 980*

BASS, F. K., *see* HURD, E. L., 839†

BASTENIE, P. A.; FRANCKSON, J. R. M., and

CONARD, V.: Effect of cortisone on crabohydrate metabolism, measured by the glucose assimilation coefficient, 865†
BATES, R., *see* ROSEMBERG, E., 876†
BAUER, H. G.: Endocrine and other clinical manifestations of hypothalamic disease; a survey of 60 cases with autopsies, 858†
BEALL, D., and GRANT, G. A.: Studies on the colorimetric estimation of estrogens, 875†
BECK, E. M., and RALLI, E. P.: The influence of dietary factors on the hyaluronidase spreading reaction in intact and adrenalectomized rats, 844†
BECK, J. C., *see* MCCULLAGH, E. P., 489*
BEIERWALTES, W. H.: X-ray treatment of malignant exophthalmos: a report on 28 patients, 1090*
BENEDICT, P. H., *see* ALBRIGHT, F., 860†
BENNETT, L. L.; LIDDLE, G. W., and BENTINCK, R. C., with the technical assistance of ISLAND, D.; WHITNEY, J. E., and REHFELD, S. J.: Does a large intake of potassium modify the metabolic effects of ACTH (corticotropin) in man? 392*
BENSON, R. C., and GARETZ, J. W.: The efficacy of a newer estrogen, TACE, as revealed by vaginal smears, 258*
BENTINCK, R. C., *see* BENNETT, L. L., 392*
BERKMAN, J., *see* RIFKIN, H., 866†
BERNSTEIN, A., *see* KUPPERMAN, H. S., 154*
BERSON, S. A., and SCHREIBER, S. S.: Gynecomastia and hyperthyroidism (Letter to the Editor), 1126*
BERTINO, J.; DAWSON, N.; FRENCH, R.; MARGEN, S., and KINSELL, L. W.: Comparative observations regarding utilization and excretion of infused glucose, fructose, and invert sugar, respectively, 658*
BETHEIL, J. J., *see* SCHLEGEL, J. U., 1082*
BEVER, A. T.; VELARDO, J. T., and HISAW, F. L.: The effect of progesterone on the lactic dehydrogenase-DPNH oxidase system of ovariectomized rat uteri, 835†
BISSO, A.: Comparison of the effects of epinephrine and nor-epinephrine on circulating eosinophils, 1226*
BLACK, B. M.; WOOLNER, L. B., and BLACKBURN, C. M.: The uptake of radioiodine by carcinoma of the thyroid gland: a study of 128 cases, 1378*
——, *see* UNDERDAHL, L. O., 20*
BLACKBURN, C. M.; MCCONAHEY, W. M.: KEATING, F. R., JR., and ALBERT, A.: Comparative calorigenic effect of *l*-triiodothyronine and *l*-thyroxine given intravenously to myxedematous patients, 852†
——, *see* BLACK, B. M., 1378*
BLATT, M. G. H.; WIESBADER, H., and KUPPERMAN, H. S.: The control of functional uterine bleeding (menometrorrhagia) by the oral administration of progesterone and methyltestosterone, 868†
——, *see* KUPPERMAN, H. S., 688*
BLEIFER, D., *see* FORSHAM, P. H., 870†
BLOCH, A. L., *see* SCHLEGEL, J. U., 1082*
BLOCH, H. S.; ZIMMERMANN, B., and COHEN, S. L., with the technical assistance of MOHAUPT, M. J., and OSEID, B. J.; Paper chromatography of pregnanediol and related compounds, 1206*
BLOHM, R. W., JR.; WURL, O. A.; GILLESPIE, J. O., and ESCAMILLA, R. F.: Refractoriness to antitetanic therapy in a case of surgical hypoparathyroidism, 519*
BLOM, P. S., and TERPSTRA, J.: High PBI^{131} concentration in blood of patients with myxedema: preliminary report (Letter to the Editor), 989*
BLUM, H. P., *see* GRINSPOON, L., 753*
BODO, R. C. DE, and SINKOFF, M. W.: Growth hormone and carbohydrate metabolism, 864†
BOLING, L., *see* PARTRIDGE, J. W., 189*
BONGIOVANNI, A. M.: The detection of pregnandiol and pregnantriol in the urine of patients with adrenocortical hyperplasia: suppression with cortisone, 847†
BONNER, C. D., *see* HOMBURGER, F., 704*
BOYLE, J., *see* WAYNE, H. L., 1070*
BRANCHE, G., JR., *see* HOMBURGER, F., 704*
BRAYER, F. T., *see* TRUNNELL, J. B., 88*
BROWN, H.; REINGOLD, A. M., and SAMSON, M.: The determination of protein-bound iodine by dry ashing, 444*
BROWN, H., *see* SYDNOR, K. L., 891*
BROWN, W. E., *see* JUNGCK, E. C., 730*
BROWNELL, G. L., and STANBURY, J. B.: Instrumentation for thyroid measurement, 210*
BRUCE, J. H., *see* KOLB, F. O., 870†
BUR, G. E., *see* BALZE, F. A. DE LA, 833†, 867†
BURGER, J., *see* KUPPERMAN, H. S., 1109*
BURROWS, B. A., and ROSS, J. E., with the technical assistance of DELL, E. S.; GRAHAM, D. E., and HAMMACK, D. F.: The thyroidal uptake of stable iodine compared with the serum concentration of protein-bound iodine in normal subjects and in patients with thyroid disease 1358*
——, recipient of the 1953 Van Meter Prize (Am. Goiter Assoc.), 1442
BURTON, R. B.; KEUTMANN, E. H., and WATERHOUSE, C., with the technical assistance of SCHULER, E. A.: The conver-

sion of cortisone acetate to other alpha-ketolic steroids, 48*
BUXTON, C. L.: Obscure intrauterine lesion as cause of menorrhagia (Teaching Clinic), 813*
——: The pitfalls of clinical research (Editorial), 231*
——, *see* Questions and Answers, 621, 1153, 1432

CAGAN, R. N.; KLEIN, R. L., and LOEWE, L.: The disappearance of infused amino acids from plasma of hospitalized control and Addisonian subjects, 429*
CALVER, G. W., *see* NELSON, D. H., 849†
CANTAROW, A., *see* D'ANGELO, S. A., 854†
——, *see* PASCHKIS, K. E., 843†
——, *see* STEVENS, C. E., 872†
CARA, J., and WILKINS, L.: The effects on the testes of suppression of adrenal hyperplasia by cortisone, 834†
CAREN, R., and MORTON, M. E.: Pyrimidine metabolism in normal man studied with N^{15} labeled uracil, 1021*
CARTER, A. C., *see* SHORR, E., 865†
CASON, J., *see* BAKER, R., 383*
CASPI, E., *see* HECHTER, O., 848†
CASSIDY, C. E., *see* MCCULLAGH, E. P., 1507*
CASTILLO, E. B. DEL, *see* ARGONZ, J., 79*
CATTELL, R. B., and COLCOCK, B. P.: The present-day problem of cancer of the thyroid, 1408*
CATZ, B.: Additive toxic effects of phenobarbital and Itrumil (Letter to the Editor), 1128*
——; EL-RAWI, I.; GEIGER, E., and STARR, P.: Differences in the effect of cortisone, compound F and ACTH on the thyroid, as revealed by microhistometry, 878†
——, *see* STURGEON, C. T., 1391*
CHAMBLISS, M., *see* WOLFSON, W. Q., 851†
CHANDLER, B. F., *see* INGBAR, S. H., 853†
CHAPMAN, E. M., *see* DOBYNS, B. M. 548*
CHESKY, V. E.; DREESE W. C., and HELLWIG C. A.: Hemangioendothelioma of the thyroid. Review of the literature and report of a case, 801*
CHEVALLEY, J.; KENIGSBERG S.; GERL, A., and MCGAVACK, T. H.: Critical evaluation of methimazole (1-methyl-2-mercapto-imidazole) in the treatment of hyperthyroidism, 879†
CHILDS, B., and GARDNER L. I.: Etiologic factors in sporadic cretinism: an analysis of 90 cases, 881†
CLARK L. C., JR., *see* ASSALI, N. S., 1030*
——, *see* SOBEL, E. H., 873†
CLAYTON, B. E., *see* PRUNTY, F. T. G., 1480*
CLEGHORN, R. A.: Psychologic changes in Addison's disease (Editorial), 1291*
COCHRANE, G. C.; JAHN, J. P.; FOREMAN, N., and KINSELL, L. W., with the technical assistance of OLSON, F.: Evaluation of adrenal steroids administered intravenously, intramuscularly and orally (Letter to the Editor), 993*
COELHO, M., *see* KINSELL, L. W., 861†
COHEN, H., *see* PARSONNET, M., 835†
COHEN, M. I., *see* HERTZ, R., 1248*
COHEN, S. L., *see* BLOCH, H. S., 1206*
COLCOCK, B. P., *see* CATTELL, R. B., 1408*
COLE, R. D., *see* LYONS, W. R., 836†
COLE, W. H., *see* MAJARAKIS, J. D., 1530*
CONARD, V., *see* BASTENIE, P. A., 865†
CONGER, K. B., *see* PERLOFF, W. H., 783*
CONN, J. W., *see* FAJANS, S. S., 839†
CONNOR, T. B., *see* HOWARD, J. E., 1*, 997*
CONSTANDSE, M., *see* ROMANOFF, L. P., 928*
COPE, O., *see* KUPPERMAN, H. S., 154*
CORCORAN, A. C., *see* MASSON, G. M. C., 300*
CORNFIELD, J., *see* ROSEMBERG, E., 876†
COURTRIGHT, C. L.; SHETLAR, M. R., and REIFENSTEIN, E. C., JR., in collaboration with JONES, H. B., and MCDOUGAL, R. C.: The effect of parathyroid extract on ammonium-chloride-decalcified-bone matrix and on the serum levels of polysaccharides: preliminary *in vivo* studies in parathyroidectomized rats, 860†
——, *see* HOWARD, R. P., 832†
CRAIG, J. W., *see* MILLER, M., 866†
CRISPELL, K. R., PARSON, W., and SPRINKLE, P.: A simplified technique for the diagnosis of hyperthyroidism, utilizing the one-hour uptake of orally administered I^{131}, 221*
CROTTI, A., recipient of Award for Meritorious Service (Am. Goiter Assoc.), 1444

DAILEY, M. E., LINDSAY, S.; and MILLER, E. R.: Histologic lesions in the thyroid glands of patients receiving radioiodine for hyperthyroidism, 1513
D'ANGELO, S. A.; STEVENS, C. E.; PASCHKIS, K. E., and CANTAROW, A.: The influence of cortisone on pituitary-thyroid interaction in normal and goitrous rats, 854†
——, *see* STEVENS, C. E., 872†
DART, R. M., *see* HOMBURGER, F., 704*
DAUPHINEE, J. A., *see* OGRYZLO, M. A., 862†
DAVIS, F. E., *see* STURGEON, C. T., 1391*
DAVIS, M. E.: Estrogenic therapy gynecology (Editorial), 1428*
——: Primary ovarian failure (Teaching Clinic), 1551*
——; TEST, C. E.; NAVORI, C. A.; HRYSE, B.; POTTINGER, R., and DUNKLE, F.: Some effects of adrenocorticotropic hormone in

various hypo-ovarian states. II. Primary amenorrhea, surgical castration, and the menopause, 181*

DAVISON, C., *see* HOFMANN, F. G., 848†

DAWSON, N., *see* BERTINO, J., 658*

——, *see* PARTRIDGE, J. W., 189*

DEANDINO, A. M., JR., *see* PASCHKIS, K. E., 843†

DE BODO, R. C., *see* BODO, R. C., DE

DEGRAFF, A. C., *see* HURD, E. L., 839†

DE LA BALZE, F. A., *see* BALZE, F. A. DE LA

DEL CASTILLO, E. B., *see* CASTILLO, E. B. DEL

DELL, E. S., *see* BURROWS, B. A., 1358*

DE OLIVEIRA, H. L., *see* OLIVEIRA, H. L. DE

DEWAR, J. P., *see* TURNER, H. H., 883†

DEWIND, L., *see* PARTRIDGE, J. W., 189*

DIMITMAN, M., *see* LIDDLE, G. W., 846†

DI PAOLA, G., *see* PAOLA, G. DI

DINGMAN, J. F., *see* THORN, G. W., 604*

DOBYNS, B. M.; VICKERY, A. L.; MALOOF, F., and CHAPMAN, E. M.: Functional and histologic effects of therapeutic doses of radioactive iodine on the thyroid of man, 548*

DOHAN, F. C.; ROSE, E.; EIMAN, J. W.; RICHARDSON, E. M., and ZINTEL, H.: Increased urinary estrogen excretion associated with adrenal tumors: report of four cases, 415*

DOOLAN, P. D., *see* KYLE, L. H., 857†

DORFMAN, R. I., *see* ENGEL, L. L., 903*

——, *see* RUBIN, B. L., 568*

DREESE, W. C., *see* CHESKY, V. E., 801*

DUMM, M. E.; LESLIE, S. H., and LAKEN, B.: Influence of sex on the excretion of an acid load by adrenalectomized rats, 872†

——, *see* RALLI, E. P., 874†

DUNKLE, F., *see* DAVIS, M. E., 181*

EDLIN, J. S., *see* GOLDZIEHER, J. W., 436*

EICHMAN, P. L., and HAVENS, W. P., JR., with the technical assistance of MILLER, R. W.: The effect of ACTH and cortisone on the concentration of circulating antibody in patients with acute hepatitis, 648*

EIK-NES, K.; NELSON, D. H., and SAMUELS, L. T.: Determination of 17,21-hydroxycorticosteroids in plasma (Letter to the Editor), 1280*

EIMAN, J. W., *see* DOHAN, F. C., 415*

EL-RAWI, I., *see* CATZ, B., 878†

ELY, R. S., *see* KELLEY, V. C., 850†

ENGEL, F. L.: An unusual case of malignant exophthalmos and postoperative hypothyroidism complicating Graves' disease (Teaching Clinic), 1132*

——: The adrenal cortex and the metabolic response to stress (Editorial), 1555*

——, *see* Questions and Answers, 748

ENGEL, L. L. (with the assistance of SAUSE, H. W.); DORFMAN, R. I., and ABARBANEL, A. R.: Neutral steroids in the urine of a patient with a luteoma of the ovary, 903*

ENGELBERG, H., *see* GLASS, S. J., 838†

EPSTEIN, D., *see* PASCHKIS, K. E., 843†

EPSTEIN, P. R., *see* GOLDZIEHER, J. W., 662*

ERÄNKÖ, O., *see* AHLMAN, K. L., 773*

ESCAMILLA, R. F., *see* BLOHM, R. W., JR., 519*

——, *see* LISSER, H., 732*

——, *see* Questions and Answers, 745

EVANS, H. M., *see* LYON, R. A., 837†

FAIRBANKS, R., *see* WILSON, H., 875†

FAJANS, S. S.; LOUIS, L. H.; SELTZER, H. S., and CONN, J. W.: Importance of the liver in transformations of administered adrenosteroidal compounds, 839†

FARNSWORTH, E. B.: Studies on adrenocortical function in relation to the nephrotic syndrome, 1169*

FARQUHARSON, R. F., *see* Questions and Answers, 826, 1149, 1296

FELDSTEIN, M., *see* KLENDSHOJ, N. C., 922*

FILLER, W., *see* KUPPERMAN, H. S., 688*

FINKLER, R., *see* KUPPERMAN, H. S., 1109*

FIRMINGER, H. I., *see* HERTZ, R., 1248*

FISCHER, R. H., and MCCOLGAN, S. P.: Progesterone metabolism. II. Pregnandiol excretion following oral, sublingual and parenteral administration of progesterone, 1043*

FISHMAN, W. H., *see* HOMBURGER, F., 704*

FOLLIS, R. H., JR., *see* HOWARD, J. E., 997*

FORBES, A. P., *see* ALBRIGHT, F., 860†

——, *see* KUPPERMAN, H. S., 154*

FOREMAN, N., *see* COCHRANE, G. C., 993*

FORSHAM, P. H.; LIDDLE, G. W., and BLEIFER, D.: Differential intramuscular inactivation of highly purified ACTH preparations in man, 870†

——, *see* KOLB, F. O., 870†

——, *see* LIDDLE, G. W., 842†, 846†

——, *see* Questions and Answers, 618, 744, 1011, 1559

FRANCKSON, J. R. M., *see* BASTENIE, P. A., 865†

FRAWLEY, T. F., *see* THORN, G. W., 957*

FRENCH, R., *see* BERTINO, J., 658*

FUENZALIDA, F., and LIPSCHUTZ, A.: Absorption of corticoids and related steroids from subcutaneously implanted pellets in the guinea pig, 1201*

FYLES, T. W., *see* PERRY, W. F., 64*

GARDNER, L. I.: A micro spectrophotometric technique, of use in the identification of C-19 steroids, 877†

——: Plasma neutral 17-ketosteroids. I. Technique of estimation, 941*
——: Urinary dehydroepiandrosterone in idiopathic hirsutism: influence of cortisone therapy, 1054*
——, *see* CHILDS, B., 881†
GARETZ, J. W., *see* BENSON, R. C., 258*
GASKILL, C. J., *see* STERNBERG, W. H., 139*
GASTINEAU, C. F.; LOGAN, B. G.; ALBERT, A., and MASON, H. L.: Use of cortisone for congenital adrenal hyperplasia in the male: report of case, 724*
GEIGER, E., *see* CATZ, B., 878†
GEMZELL, C. A.: Blood levels of 17-hydroxycorticosteroids in normal pregnancy, 898*
GERL, A., *see* CHEVALLEY, J., 879†
GERSHBERG, H., *see* RALLI, E. P., 874†
GILLESPIE, J. O., *see* BLOHM, R. W., JR., 519*
GLASS, S. J.; ENGELBERG, H.; GOFMAN, J., and JONES, H. B.: The influence of physiologic doses of the sex steroid hormones on the serum lipids and lipoproteins in men and women, 838†
GLENN, E. M., and NELSON, D. H.: Chemical method for the determination of 17-hydroxycorticosteroids and 17-ketosteroids in urine following hydrolysis with β-glucuronidase, 911*
GLENN, E. M., *see* SANDBERG, A. A., 1445*
GOETZ, F. C., *see* MUNSON, P. L., 838†
——, *see* THORN, G. W., 604*
GOFMAN, J., *see* GLASS, S. J., 838†
GOLD, J. J., *see* ZUMOFF, B., 225*
GOLDNER, M. G., *see* LAZARUS, S. S., 863†
GOLDSMITH, R., and STANBURY, J. B.: The tolerance of patients with myxedema to exogenous thyroid substance, 856†
GOLDZIEHER, J. W.: Quantitative fluorometry of estrogen mixtures, 877†
——; BAKER, E., and RAWLS, W. B.: The simultaneous administration of ACTH and cortisone or hydrocortisone, 870†
——, and EDLIN, J. S.: The effect of orally administered ascorbic acid and/or *l*-cystine on urinary steroid excretion, 436*
——; EPSTEIN, P. R.; RAWLS, W. B., and GOLDZIEHER, M. A.: The effect of intravenous ACTH on the blood level of ascorbic acid and of sulfhydryl as determined by a modified amperometric technique, 662*
GOLDZIEHER, M. A., *see* GOLDZIEHER, J. W., 662*
GORDAN, G. S., *see* LISSER, H., 732*
GORDON, A. S., *see* PADAWER, J., 850†
——, *see* SILBER, D. F., 844†
GORNALL, A. G., *see* OGRYZLO, M. A., 165* 862†
GÖRPE, A., *see* ARTUNKAL, S. S., 1122*
GOVAN, D., *see* BAKER, R., 383*
GOW, R. C., *see* KLEIN, R., 271*
GRAHAM, D. E., *see* BURROWS, B. A., 1358*
GRANT, G. A., *see* BEALL, D., 875†
GREENBLATT, R. B., *see* Questions and Answers, 828
GREENE, B., *see* ROTHCHILD, I., 1213*
GREENWALD, I.: Cabbage and turnips as a cause of endemic goiter, 882†
GREEP, R. O., *see* KNOBIL, E., 871†
GREER, M. A., and ASTWOOD, E. B.: Treatment of simple goiter with thyroid, 1312*
——, *see* SCOW, R. A., 855†
GRINSPOON, L.; SAGILD, U.; BLUM, H. P., and MARBLE, A.: Changes in circulating eosinophils in juvenile diabetics in response to epinephrine, ACTH and hypoglycemia, 753*
GUTERMAN, H. S., *see* ROEN, L. P., 465*

HAINES, S., *see* Questions and Answers, 378, 1153
HALBERG, F.; BARNUM, C. P., and VERMUND, H.: Hepatic phospholipid metabolism and the adrenal, 871†
HALL, T. C.; MCCRACKEN, B. H., and THORN, G. W.: Skin pigmentation in relation to adrenal cortical function, 243*
HAMMACK, D. F., *see* BURROWS, B. A., 1358*
HANCOCK, C., *see* SIMKIN, B., 854†
HARRISON, J. H., *see* MUNSON, P. L., 838†
HASTINGS, A. B., *see* RENOLD, A. E., 862†
HAUSBERGER, F. X.: Steroid diabetes in guinea pigs and the role of insulin in the adaptation to cortisone administration, 863†
HAVENS, F. Z.: Bilateral paralysis of the vocal cords; symptoms, diagnosis and treatment, 1416*
HAVENS, W. P., JR., *see* EICHMAN, P. L., 648*
HECHTER, O.; CASPI, E., and LEVY, H.: Further studies on cortisone metabolism in perfused rat liver, 848†
HECKEL, N. J.: Endocrine therapy in the management of prostatic cancer (Teaching Clinic), 228*
——: Present status of the endocrine treatment of advanced prostatic cancer (Editorial), 375*
——, *see* Questions and Answers, 131, 234, 745
HELLER, C. G., *see* Questions and Answers, 235
HELLWIG, C. A., *see* CHESKY, V. E., 801*
HEMING, A. E., and HOLTKAMP, D. E.: Comparative effects of thyroxine and triiodothyronine in thyroidectomized rats, 880†
——, *see* HOLTKAMP, D. E., 853†

HENDERSON, E., *see* Questions and Answers, 827
HENNEMAN, P., *see* ALBRIGHT, F., 860†
HERTZ, R.; COHEN, M. I.; LEWIS, L. G., and FIRMINGER, H. I.: Sexual precocity in a 5-year-old boy with interstitial-cell tumor of the testis, 1248*
——, and TULLNER, W. W.: Quantitative aspects of regression of prostate and uterus of the rat following hormonal deprivation, 832†
HETZEL, B. S.; SCHOTTSTAEDT, W. W; HINKLE, L. E., JR., and WOLFF, H. G.: Changes in urinary nitrogen excretion during stressful life experiences and their relation to thyroid function, 881†
HILL, J. A., recipient of Award for Meritorious Service (Am. Goiter Assoc.), 1444
HINKLE, L. E., JR., *see* HETZEL, B. S., 881†
HIRSCH, L., *see* PARSONNET, M., 835†
HISAW, F. L., *see* BEVER, A. T., 835†
HOFMANN, F. G., and DAVISON, C.: Effect of ACTH and various substrates on *in vitro* adrenal cortical steroid synthesis, 848†
——, *see* KNOBIL, E., 871†
HOGNESS, J. R.; WONG, T., and WILLIAMS, R. H.: Effects of *p*-aminosalicyclic acid on thyroid and adrenal function, 882†
HOLLANDER, W., JR., *see* LEIFER, E., 1264*
HOLTKAMP, D. E., and HEMING, A. E.: Effect of concurrent dibenzyline administration on thyroxine-induced and epinephrine-induced increased oxygen consumption, 853†
——, *see* HEMING, A. E., 880†
HOMBURGER, F.; DART, R. M.; BONNER, C. D.; BRANCHE, G., JR.; KASDON, S. C., and FISHMAN, W. H.: Some metabolic and biochemical effects of methylandrostenediol, 704*
HOPKINS, T. R., *see* HOWARD, J. E., 1*
HOSKINS, R. G.: The psychosomatic aspects of thyrotoxicosis (Editorial), 473*
HOWARD, J. E.; FOLLIS, R. H., JR.; YENDT, E. R., and CONNOR, T. B.: Hyperparathyroidism. Case report illustrating spontaneous remission due to necrosis of adenoma, and a study of the incidence of necroses in parathyroid adenomas (Teaching Clinc), 997*
——; HOPKINS, T. R., and CONNOR, T. B.: On certain physiologic responses to intravenous injection of calcium salts into normal, hyperparathyroid and hypoparathyroid persons, 1*
——, *see* Questions and Answers, 476, 828, 1154, 1294, 1432
HOWARD, R. P.; REIFENSTEIN, E. C., JR.; COURTRIGHT, C. L., and TURNER, H. H.: The prolonged anabolic activity of certain testosterone esters in man, 832†
——, *see* TURNER, H. H., 883†
HRYSE, B., *see* DAVIS, M. E., 181*
HÜBENER, H. J., *see* AMELUNG, D., 1125*
HUDSON, P.; MITTELMAN, A., and MANN, P.: Urinary steroid excretion after total adrenalectomy. I. Levels of 17-ketosteroids in cancer patients maintained on varying amounts of cortisone acetate and glycyrrhizin, 1064*
——, *see* ROMANOFF, E. B., 1546*
HUFFER, J., *see* BAKER, R., 383*
HUNT, CLAUDE J., regarding FRANK H. LAHEY (obituary), 1435
HURD, E. L.; BASS, F. K.; DEGRAFF, A. C., and KUPPERMAN, H. S.: The effect of cortisone upon the fatty liver and kidney changes of choline-deficient rats, 839†

INGBAR, S. H., and CHANDLER, B. F.: Influence of cortisone and desoxycorticosterone upon the renal and thyroidal metabolism of iodine, 853†
——, recipient of First Honorable Mention, 1953 Van Meter Prize (Am. Goiter Assoc.), 1443
IRAZU, J., *see* BALZE, F. A. de la, 833†, 867†
ISLAND, D., *see* BENNETT, L. L., 392*
——, *see* LIDDLE, G. W., 846†
ISRAEL, S. L., *see* SCHNEEBERG, N. G., 884†

JACKSON, W. P. U.: The prediabetic father, 864†
JAFFÉ, B., *see* SEED, L., 107*
JAHN, J. P., *see* COCHRANE, G. C., 993*
——, *see* KINSELL, L. W., 861†
JEFFERIES, W. M.; LEVY, R. P., and KELLY, L. W.: Effect of ACTH and epinephrine upon eosinophils, urinary sodium, potassium and 17-ketosteroids in adrenalectomized patients, 873†
JENKINS, D.; LAIDLAW, J. C.; REDDY, W. J.; MILLS, L. C., and THORN, G. W.: Studies on the adrenal cortical response to stress in man, 843†
——, *see* THORN, G. W., 957*
JOHNSON, R. E., *see* LYONS, W. R., 836†
JONES, G. E. S., *see* RICHTER, C. P., 857†
JONES, H. B., *see* COURTRIGHT, C. L., 860†
——, *see* GLASS, S. J., 838†
JUNGCK, E. C., and BROWN, W. E.: Estrogenic activity of monobenzyl ether of stilbestrol in the human (Letter to the Editor), 730*

KAPPAS, A., *see* WEST, C. D., 841†
KARVONEN, M.J., *see* AHLMAN, K. L., 773*
KASDON, S. C., *see* HOMBURGER, F., 704*
KEATING, F. R., JR., *see* BLACKBURN, C. M., 852†

KELLEY, V. C., and ELY, R. S.: A standard ACTH-adrenal steroid response test. Evaluation in children, 850†
KELLY, L. W., *see* JEFFERIES, W. M., 873†
KENIGSBERG, S., *see* CHEVALLEY, J., 879†
KENNEDY, B. J., *see* SHORR, E., 865†
KENYON, A. T., *see* Questions and Answers, 1150
KEUTMANN, E. H., *see* BURTON, R. B., 48*
KHEIM, T., *see* KOUNTZ, W. B., 534*
KINSELL, L. W.: ACTH and cortisone—after nearly four years of intensive clinical and experimental evaluation (Editorial), 120*
——; MARGEN, S., and PARTRIDGE, J. W.: Local and systemic use of ethinyl estradiol in patients with acne and hirsutism (Letter to the Editor), 809*
——; MARGEN, S.; PARTRIDGE, J. W.; MICHAELS, G. D.; BALCH, H. E., and JAHN, J. P., with the technical assistance of COELHO, M.; KIPP, E., and OLSON, F.: The effect of "pituitary growth hormone preparations" in human subjects. A summary of quantitative studies extending over a four-year period, 861†
——, *see* BALCH, H. E., 733*
——, *see* BERTINO, J., 658*
——, *see* COCHRANE, G. C., 993*
——, *see* PARTRIDGE, J. W., 189*
——, *see* Questions and Answers, 625, 1152, 1559
KIPP, E., *see* KINSELL, L. W., 861†
——, *see* PARTRIDGE, J. W., 189*
KLEIN, R., and GOW, R. C.: Interaction of parathyroid hormone and vitamin D on the renal excretion of phosphate, 271*
——, *see* CAGAN, R. N., 429*
KLENDSHOJ, N. C.; FELDSTEIN, M., and SPRAGUE, A.: Determination of 17-ketosteroids in urine, 922*
KLINEFELTER, H. F., *see* Questions and Answers, 477, 624
KNOBIL, E.; HOFMANN, F. G., and GREEP, R. O.: Some effects of compound F and DCA on organic and inorganic metabolism in the adrenalectomized rhesus monkey, 871†
KOLB, F. O.; BRUCE, J. H.; LIDDLE, G. W.; MILLER, G. M., and FORSHAM, P. H.: Stimulation by exogenous ACTH administration of an adrenocortical adenoma producing Cushing's syndrome, 870†
KOUNTZ, W. B.; ACKERMANN, P. G., and KHEIM, T.: The influence of some hormonal substances on the nitrogen balance and clinical state of elderly patients, 534*
KUPPERMAN, H. S.; BERNSTEIN, A.; FORBES, A. P.; COPE, O., and ALBRIGHT, F.: Remission in Cushing's syndrome after bilateral hemiadrenalectomy, 154*
——; BLATT, M. H. G.; WIESBADER, H., and FILLER, W.: Comparative clinical evaluation of estrogenic preparations by the menopausal and amenorrheal indices, 688*
——; FINKLER, R., and BURGER, J.: Quantitative effect of cortisone upon ketosteroid excretion and clinical picture of the adrenogenital syndrome, 1109*
——, *see* BLATT, M. H. G., 868†
——, *see* HURD, E. L., 839†
——, *see* PARSONNET, M., 835†
KYLE, L. H.; WELHAM, W. C.; DOOLAN, P. D., and SCHAAF, M.: Investigation of the extrathyroidal effects of thyroid-stimulating hormone, 857†

LAHEY, F. H.; Obituary, 1434
——, recipient of Award for Meritorious Service (Am. Goiter Assoc.), 1444
LAIDLAW, J. C., *see* JENKINS, D., 843†
——, *see* MUNSON, P. L., 838†
LAKEN, B., *see* DUMM, M. E., 872†
LANDAU, R. L.: Hypogonadism with spermatogenesis: a case report, 510*
——, *see* Questions and Answers, 1150
LANGE, J., see PARTRIDGE, J. W., 189*
LASZLO, D., *see* SPENCER, H., 861†
LAURENCE, P. A., and SOBEL, A. E.: Changes in serum vitamin A level during the human menstrual cycle, 1192*
LAWRENCE, G., *see* STEINER, M. M., 283*
LAZARUS, S. S.; VOLK, B. W., and GOLDNER, M. G.: The physiologic consequences of selective destruction of the alpha cells of the pancreatic islets, 863†
LAZERSON, R., *see* RALL, J. E., 1369*
LEACH, R. B., *see* MADDOCK, W. O., 834†
LEAF, A., *see* MARKS, L. J., 842†
LEIFER, E., and HOLLANDER, W., JR.: Idiopathic hypoparathyroidism and chronic adrenal insufficiency: a case report, 1264*
LELIO, M., *see* PAOLA, G. DI, 974*
LEMON, H. M.; WOTIZ, H. H., and ROBITSCHER, T., with the technical assistance of NARDONE, A., and LEVINE, M.: Metabolism of testosterone by neoplastic human prostate, 948*
LENCIONI, L. J.: Comparative and statistical study of vaginal and urinary sediment smears, 263*
LEPPÄNEN, V., *see* AHLMAN, K. L., 773*
LERMAN, J.: The physiologic activity of *l*-triiodothyronine, 1341*
LESLIE, S. H., *see* DUMM, M. W., 872†
LEVINE, M., *see* LEMON, H. M., 948*
LEVY, H., *see* HECHTER, O., 848†
LEVY, L. M., *see* PERLOFF, W. H., 783*

——, *see* SCHNEEBERG, N. G., 855†
LEVY, R. P., *see* JEFFERIES, W. M., 873†
LEWIN, I., *see* SPENCER, H., 861†
LEWIS, A. A. G.: Observations on the antidiuretic substance in human serum, 769*
LEWIS, L. A., *see* MASSON, G. M. C., 300*
LEWIS, L. G., *see* HERTZ, R., 1248*
LI, C. H., *see* LYONS, W. R., 836†
——, *see* THOMOPOULOU, H., 834†
LIDDLE, G. W.; ISLAND, D.; DIMITMAN, M., and FORSHAM, P. H.: A clinically significant ACTH assay based upon urinary 17-hydroxycorticoid excretion in guinea pigs, 846†
——; RINFRET, A. P.: RICHARD, J., and FORSHAM, P. H.: Functional evidence in man for the existence of an adrenal growth factor distinct from ACTH, 842†
——, *see* BENNETT, L. L., 392*
——, *see* FORSHAM, P. H., 870†
——, *see* KOLB, F. O., 870†
LIEBERMAN, S., and TEICH, S.: Metabolic precursors of urinary dehydroisoandrosterone (Editorial), 1140*
LINDSAY, S., *see* DAILEY, M. E., 1513*
LINGENFELTER, F. M., *see* TURNER, H. H., 883†
LIPSCHUTZ, A., *see* FUENZALIDA, F., 1201*
LISSER, H.; ESCAMILLA, R. F., and GORDAN, G. S.: Dosage of methyltestosterone (Letter to the Editor), 732*
LLOYD, C. W., *see* Questions and Answers, 620
LLOYD, H. M.; POPERT, A. J., and SCOWEN, E. F.: The estrogenic activity of urinary preparations: studies of ultrafiltration, alcohol precipitation, and kaolin absorption, 845†
LOEWE, L., *see* CAGAN, R. N., 429*
LOGAN, G. B., *see* GASTINEAU, C. F., 724*
LONGABAUGH, E. R., *see* SZILAGYI, D. E., 1347*
LOUIS, L. H., *see* FAJANS, S. S., 839†
LUFT, R., *see* ARNER, B., 1101*
LUKENS, F. D. W., *see* Questions and Answers. 749 1153, 1295
LYON, R. A.; SIMPSON, M. E., and EVANS, H. M.: Human urinary gonadotropin in pregnancy, 837†
LYONS, W. R.; LI, C. H.; COLE, R. D., and JOHNSON, R. E.: Some of the hormones required by the mammary gland in its development and function, 836†

MACKENZIE, D. J., *see* OGRYZLO, M. A., 862†
MADDOCK, W. O.; TOKUYAMA, I.; LEACH, R. B., and ROY, W. R.: The effects of hog pituitary gonadotropin therapy and subsequent antihormone formation on ovarian function, 834†
MAJARAKIS, J. D.; SLAUGHTER, D. P., and COLE, W. H.: Carcinoma of the thyroid gland, 1530*
MALOOF, F., *see* DOBYNS, B. M., 548*
MANCINI, R. E., *see* BALZE, F. A. DE LA, 867†
MANN, P., *see* HUDSON, P. B., 1064*
MARBLE, A., *see* GRINSPOON, L., 753*
MAREN, T. H.: The hypothalamus in Cushing's syndrome due to bilateral adrenal hyperplasia, 884†
MARGEN, S., *see* BERTINO, J., 658*
——, *see* KINSELL, L. W., 809*, 861†
——, *see* PARTRIDGE, J. W., 189*
MARINE, D., recipient of the 1953 Squibb Award (Endocrine Society), 1017
MARKS, L. J., and LEAF, A.: Relationship of renal excretion of biologically active adrenal corticoids to variations in glomerular filtration rate, 842†
MARTIN, J. R., and PATTEE, C. J.: The effect of intravenous ACTH, with and without epinephrine, 73*
MASON, H. L.: The determination of urinary 17-ketosteroids (Editorial), 1009*
——, *see* GASTINEAU, C. F., 724*
——, *see* Questions and Answers, 131
MASSON, G. M. C.; LEWIS, L. A.; CORCORAN, A. C., and PAGE, I. H.: Desoxycorticosterone in rabbits: simulation of rabbit "toxemia of pregnancy," 300*
MASUDA, M., and THULINE, H. C.: An improved method for determination of urinary 17-ketosteroids, 581*
MAY, J. A., *see* STIMMEL, B. F., 874†
MAZUR, E., *see* PASCHKIS, K. E., 843†
MCCALL, M. F., and SINGER, B.: Studies in nephrosis: chemical corticoids, salt-retaining factor, and effect of ACTH, 1157*
MCCOLGAN, S. P., *see* FISCHER, R. H., 1043*
MCCONAHEY, W. M., *see* BLACKBURN, C. M., 852†
MCCRACKEN, B. H., *see* HALL, T. C., 243*
MCCULLAGH, E. P.: Comments on the exophthalmos of Graves' disease (Editorial), 818*
——; BECK, J. C., and SCHAFFENBURG, C. A.: A syndrome of eunuchoidism with spermatogenesis, normal urinary FSH and low or normal ICSH: ("fertile eunuchs"), 489*
——, and CASSIDY, C. E.: Propylthiouracil: 4–6 year follow-up of selected patients with Graves' disease, 1507*
——, and SCHAFFENBURG, C. A.: Anterior pituitary insufficiency following skull fracture: report of a case (Teaching Clinic), 1283*
——, *see* SCHAFFENBURG, C. A., 837†
MCDOUGAL, R. C., *see* COURTRIGHT, C. L., 860†

McGavack, T. H., *see* Chevalley, J., 879†
——, *see* Pearson, S., 876†, 877†
McLeod, J., *see* Questions and Answers, 478
McSwiney, R. R., *see* Prunty, F. T. G., 1480*
Mendelsohn, M. L., *see* Pearson, O. H., 841†
Meyer, R. J.: Relative insensitivity of the hypothalamic-pituitary-adrenal system to activation by epinephrine (Letter to the Editor), 123*
——, *see* Questions and Answers, 825
Meyerheim, G., *see* Amelung, D., 1125*
Michaels, G. D., *see* Kinsell, L. W., 861†
Migeon, C. J.: Fractionation by countercurrent distribution of fluorometrically measured urinary estrogens, 846†
——: Fractionation by countercurrent distribution of urinary estrogens in normal individuals and in patients with hyperadrenocorticism, 674*
Miller, E. R., *see* Dailey, M. E., 1513*
Miller, G. E., and Townsend, C. E.: Antidiuretic hormone antagonism, 859†
Miller, G. M., *see* Kolb, F. O., 870†
Miller, M.; Murphy, J. R.; Craig, J. W., and Woodward, H., Jr.: Studies in experimental diabetic acidosis: comparison of the effect of fructose and glucose in the initial hours of treatment, 866†
Miller, R. W., *see* Eichman, P. L., 648*
Mills, L. C., *see* Jenkins, D., 843†
Mittelman, A., *see* Hudson, P. B., 1064*
Mohaupt, M. J., *see* Bloch, H. S., 1206*
Moore, C. R.: Adrenal cortical secretions in relation to the reproductive system of rats, 330*
Morton, M. E., *see* Caren, R., 1021*
Mueller, G. C.: The effect of estrogen pretreatment on amino acid incorporation in surviving rat uteri, 836†
Munson, P. L.; Laidlaw, J. C.; Goetz, F. C.; Harrison, J. H., and Thorn, G. W.: Studies on androgen production by the human adrenal cortex, 838†
Murphy, J. R., *see* Miller, M., 866†

Nardone, A., *see* Lemon, H. M., 948*
Nathanson, I. T., *see* Questions and Answers, 1014, 1149
Navori, C. A., *see* Davis, M. E., 181*
Neher, G. M., *see* Zarrow, M. X., 203*
Nelson, D. H., and Calver, G. W.: Fate and excretion of exogenously administered cortisone, 849†
——, *see* Eik-Nes, K., 1280*
——, *see* Glenn, E. M., 911*
——, *see* Sandberg, A. A., 629*, 1445*
Nesbett, F. B., *see* Renold, A. E., 862†
Niedelman, M. L.: Epilation by electrocoagulation: improvements in technic, 451*

Ogryzlo, M. A., and Gornall, A. G.: Variations in potency of ACTH preparations: inadequacy of present methods of standardization, 165*
——; Gornall, A. G.; Dauphinee, J. A., and MacKenzie, D. J.: Metabolic observations following total pancreatectomy, 862†
Olivecrona, H., *see* Arner, B., 1101*
Oliveira, H. L. de: Associated parathyroid and pituitary (chromophobe) adenomas: persisting hypophosphatemia after the cure of the hyperparathyroidism (Letter to the Editor), 1129*
Olson, F., *see* Cochrane, G. C., 993*
——, *see* Kinsell, L. W., 861†
——, *see* Partridge, J. W., 189*
Önen, K. H., *see* Artunkal, S. S., 1122*
Oseid, B. J., *see* Bloch, H. S., 1206*

Padawer, J., and Gordon, A. S.: Peritoneal fluid as a site for the study of endocrine effects on blood cells, 850†
Page, I. H., *see* Masson, G. M. C., 300*
Palmer, J. G., *see* Sandberg, A. A., 629*
Panos, T. C.: Primordial dwarfism with pancytopenic hypersplenism in 2 siblings, 883†
Paola, G. di, and Lelio, M.: The cervical mucus in amenorrhea, 974*
Papper, S., *see* Sobel, E. H., 873*
Parson, W., *see* Crispell, K. R., 221*
Parsonnet, M.; Cohen, H.; Hirsch, L., and Kupperman, H. S.: The gonadotropin-inhibiting effect of an augmentor extracted from the urine of pregnant mares, 835†
Partridge, J. W.; Boling, L.; DeWind, L.; Margen, S., and Kinsell, L. W., with the technical assistance of Olson, F.; Lange, J.; Dawson, N.; Kipp, E., and Smyrl, S.: Metabolic and clinical effects of methylandrostenediol in human subjects, 189*
——, *see* Kinsell, L. W., 809*, 861†
Paschkis, K. E.; Cantarow, A.; DeBendino, A. M., Jr.; Epstein, D.; Abelove, W., and Mazue, E.: Influence of stress on the action of cortisone, 843†
——, *see* D'Angelo, S. A., 854†
——, *see* Stevens, C. E., 872†
Pasqualini, R. Q.: Hypoandrogenic syndrome with normal spermatogenesis (Letter to the Editor), 128*
Pattee, C. J., *see* Martin, J. R., 73*
Pearson, O. H.; Mendelsohn, M. L., and West, C. D.: Water and salt metabolism

during acute adrenal insufficiency in man, 841†
——, *see* WEST, C. D., 841†
PEARSON, S., and MCGAVACK, T. H.: Steroid studies: II. Metabolism of androstanol-17β, 3-one, 877†
——; WEISSBERG, J., and MCGAVACK, T. H.: Steroid studies: I. Metabolic effects of androstanol-17β-one-3 in aged people, 876†
PEARLMAN, M. R. J., see PEARLMAN, W. H., 847†
PEARLMAN, W. H.; PEARLMAN, M. R. J., and RAKOFF, A. E.: Metabolism of isotopic estrone in human pregnancy, 847†
PECHET, M.: A new method for rapid chromatographic identification of cortical steroids; application to biologic fluids, 847†
——: New method for rapid chromatographic separation and identification of adrenocortical steroids: application to biologic fluids (Letter to the Editor), 1542*
PERCY, N. M., recipient of Award for Meritorious Service (Am. Goiter Assoc.), 1444
PERLOFF, W. H.; CONGER, K. B., and LEVY, L. M.: Female pseudohermaphrodism: a description of 2 unusual cases, 783*
——, and STEIN, R. O.: Stigmata of Turner's syndrome in woman with regular menstrual rhythm (Letter to the Editor), 1548*
——, *see* SCHNEEBERG, N. G., 855†, 884†
PERRY, W. F., and FYLES, T. W.: Antidiuretic activity of the serum of normal and diseased subjects, 64*
——, *see* ZINGG, W., 712*
PETIT, D., see STURGEON, C. T., 1391*
*PINCUS, G., see ROMANOFF, E. B., 1546**
——, *see* ROMANOFF, L. P., 928*
——, *see* RUBIN, B. L., 568*
POND, M. H.: Hydrolysis of 17-ketosteroid conjugates in urine (Letter to the Editor), *1544**
POPERT, A. J., *see* LLOYD, H. M., 845†
POTTINGER, R., see DAVIS, M. E., 181*
PREUSS, L. E., *see* SZILAGYI, D. E., 1347*
PRIOR, G., *see* SOBEL, E. H., 873†
PRUNTY, F. T. G.; MCSWINEY, R. R., and CLAYTON, B. E.: Primary gonadal insufficiency in a girl and a boy: metabolic effects of estrogen and testosterone, 1480*
PUGH, A. E., *see* BARRY, M. C., 980*

RABEN, M. S.: Endocrine conference, New England Center Hospital (Teaching Clinic), 469*
RAKOFF, A. E., *see* PEARLMAN, W. H., 847†
RALL, J. E.; SONENBERG, M. S.; ROBBINS, J.; LAZERSON, R., and RAWSON, R. W.: The blood level as a guide to therapy with radioiodine, 1369*
——, *see* ROBBINS, J., 852†
RALLI, E. P.; DUMM, M. E., and GERSHBERG, H.: Effects of injury and dietary factors on adrenal weight and cholesterol concentration, 874†
——, *see* BECK, E. M., 844†
RAWLS, W. B., see GOLDZIEHER, J. W., 662, 869†*
RAWSON, R. W., *see* RALL, J. E., 1369*
——, *see* ROBBINS, J., 852†
——, *see* Questions and Answers, 477, 618, *743, 1150*
REDDY, W. J., *see* JENKINS, D., 843†
REHFELD, S. J., *see* BENNETT, L. L., 392*
REIFENSTEIN, E. C., JR., *see* COURTRIGHT, C. L., 860†
——, *see HOWARD, R. P., 832†*
——, *see* Questions and Answers, 379
REINGOLD, A. M., *see* BROWN, H., 444*
RENOLD, A. E.; NESBETT, F. B., and HASTINGS, A. B.: Utilization of labelled glucose and fructose by liver slices of normal and diabetic rats, 862†
RICHARD, J., *see* LIDDLE, G. W., 842†
RICHARDSON, E. M., *see* DOHAN, F. C., 415*
RICHTER, C. P.; JONES, G. E. S., and WOODS, J. W.: Behavior cycles produced in rats by thyroidectomy, injection of I^{131} or by feeding sulfamerazine, 857†
RICKETTS, H. T.: Spontaneous diabetes in dogs: an account of 8 cases (no abstract), *867*
RIFKIN, H.; BERKMAN, J., and ROSS, G.: The serum polysaccharides in diabetic patients with and without degenerative vascular disease, 866†
RINFRET, A. P., see LIDDLE, G. W., 842†
ROBBINS, J.; RALL, J. E., and RAWSON, R. W.: A unique serum iodine component in certain patients with thyroid carcinoma, 852†
——, *see RALL, J. E., 1369**
——, recipient of Second Honorable Mention, 1953 Van Meter Prize (Am. Goiter Assoc.), 1443
ROBERTS, S., *see* SLUSHER, M. A., 859†
——, co-recipient of the 1953 Ciba Award (Endocrine Society), 1016
ROBINSON, W. D., see WOLFSON, W. Q., 851†
ROBINSON, W. W.: Estradiol cyclopentylpropionate: a new, long-acting, injectable estrogen (Letter to the Editor), 1279*
ROBITSCHER, T., *see* LEMON, H. M., 948*
ROEN, L. P., and GUTERMAN, H. S.: *Allo*-pregnane-3(β), 20(β)-diol as a substitute standard for pregnane-3(α), 20)(α)diol in

the determination of urinary pregnanediol (Letter to the Editor), 465*

ROKA, L., *see* AMELUNG, D., 1125*

ROMANOFF, E. B.; HUDSON, P., and PINCUS, G.: Isolation of hydrocortisone and corticosterone from human adrenal vein blood (Letter to the Editor), 1546*

ROMANOFF, L. P.; WOLF, R. S.; CONSTANDSE, M., and PINCUS, G.: Analysis of urinary steroids following glucuronidase hydrolysis. I. Extraction and fractionation, 928*

ROOT, H., *see* Questions and Answers, 1294

ROSE, E., *see* DOHAN, F. C., *415**

ROSEMBERG, E.; CORNFIELD, J.; BATES, R., and ANDERSON, E.: Bioassay of adrenal steroids in blood, 876†

ROSENKRANTZ, H., *see* RUBIN, B. L., 568*

ROSS, G., *see* RIFKIN, H., *866*†

ROSS, J. F., *see* BURROWS, B. A., 1358*

ROTHCHILD, I., with the technical assistance of WILKENING, L.; ANDREWS, E., and GREENE, B.: On the conversion of intravenously administered progesterone to pregnanediol on the human female, *1213**

ROY, W. R., *see* MADDOCK, W. O., 834*

RUBIN, B. L.; ROSENKRANTZ, H.; DORFMAN, R. I., and PINCUS, G.: Separation of 17-ketosteroids in a 24-hour urine sample, *568**

RYNEARSON, E. H., *see* SKILLERN, P. G., 587*

——, *see* Questions and Answers, 1151

SAGILD, U., *see* GRINSPOON, L., 753*

SALASSA, R. M.: The effects of cortisone in acute diffuse thyroiditis, 857†

SAMSON, M., *see* BROWN, H., 444*

SAMUELS, L. T., *see* EIK-NES, K., *1280**

——, *see* SANDBERG, A. A., 629*, 1445*

SANDBERG, A. A.; NELSON, D. H.; GLENN, E. M.; TYLER, F. H., and SAMUELS, L. T.: 17-Hydroxycorticosteroids and 17-ketosteroids in urine of human subjects: clinical application of a method employing β-glucuronidase hydrolysis, 1445*

——; NELSON, D. H.; PALMER, J. G.; SAMUELS, L. T., and TYLER, F. H.: The effects of epinephrine on the metabolism of 17-hydroxycorticosteroids in the human, 629*

SAUSE, H. W., *see* ENGEL, L. L., 903*

SAYERS, G., *see* SYDNOR, K. L., 891*

SCHAAF, M., *see* KYLE, L. H., 857†

SCHAFFENBURG, C. A., and MCCULLAGH, E. P.: Inhibition by estrogen of "compensatory" renal hypertrophy in the rat, 837†

——, *see* MCCULLAGH, E. P., 489*, 1283*

SCHLEGEL, J. U.; BETHEIL, J. J., and BLOCH, A. L.: Effect of epinephrine on urinary pH and electrolyte excretion in man, 1082*

SCHNEEBERG, N. G.; PERLOFF, W. H., and ISRAEL, S. L.: The incidence of endocrine dysfunction following postpartum hemorrhage and/or shock, 884†

——; PERLOFF, W. H., and LEVY, L. M.: The diagnosis of equivocal hypothyroidism, using thyrotropic hormone (TSH), 855†

SCHOTTSTAEDT, W. W., *see* HETZEL, B. S., 881†

SCHREIBER, S. S., *see* BERSON, S. A., 1126*

SCHULER, E. A., *see* BURTON, R. B., 48*

SCIALABBA, D., *see* WILSON, H., 875†

SCOW, R. O., and GREER, M. A.: Observations on the control of thyrotropin secretion of intraocular pituitary implants in hypophysectomized mice, 855†

SCOWEN, E. F., *see* LLOYD, H. M., 845†

SCULLY, R. E.: An unusual ovarian tumor containing Leydig cells but associated with endometrial hyperplasia, in a postmenopausal woman, 1254*

SEED, L., and JAFFÉ, B.: Results of treatment of toxic goiter with radioactive iodine, 107*

SEGALOFF, A., *see* STERNBERG, W. H., *139**

SELTZER, H. S., *see* FAJANS, S. S., 839†

SELYE, H.: Selective arrest in the development of one extremity by treatment with hydrocortisone, 838†

SHERRY, S., *see* SOBEL, E. H., *873*†

SHETLAR, M. R., *see* COURTRIGHT, C. L., 860†

SHIVERS, G. C., recipient of Award for Meritorious Service (Am. Goiter Assoc.), *1444*

SHOGER, R. L., and ZARROW, M. X.: Disappearance of progesterone from the blood following intramuscular and intravenous injections of the hormone, 849†

SHORR, E.; CARTER, A. C.; KENNEDY, B. J., and SMITH, R. W., JR.: Metabolic effects of crystalline growth hormone (somatropin) in man, 865†

SHUMAN, C. R.: Hypothyroidism due to thyrotropin deficiency without other manifestations of hypopituitarism, 795*

SILBER, D. F., and GORDON, A. S.: The influence of starvation and the adrenal upon iron storage in the rat, 844†

SIMKIN, B.; STARR, P., and HANCOCK, C.: The effect of sodium iodide, thyroxine and cortisone on serum TSH levels in thyroidectomized rats, 854†

SIMMONS, F., *see* Questions and Answers, 478

SIMPSON, M. E., *see* LYON, R. A., 837†

SINGER, B., *see* MCCALL, M. F., 1157*

SINKOFF, M. W., *see* BODO, R. C. DE, 864†

Sjögren, B., *see* Arner, B., 1101*

Skillern, P. G., and Rynearson, E. H.: Medical aspects of hypoglycemia (Endocrine Review), 587*

Slaughter, D. P., *see* Majarakis, J. D., 1530*

——, *see* Questions and Answers, 130, 828

Slusher, M. A., and Roberts, S.: Fractionation of hypothalamus for pituitary-stimulating activity, 859†

Smith, C. S., *see* Balze, F. A. de la, 833†

Smith, R. W., Jr., *see* Shorr, E., 865†

Smyrl, S., *see* Partridge, J. W., 189*

Sobel, E. H.; Clark, L. C., Jr.; Papper, S.; Sherry, S., and Prior, G.: Modification of steroid excretion in Cushing's syndrome by a high fat diet, 873†

——, *see* Assali, N. S., 1030*

Sobel, A. E., *see* Lawrence, P. A., 1192*

Soffer, L. J., *see* Sohval, A. R., 408*

Sohval, A. R., and Soffer, L. J.: Congenital testicular deficiency. II. Defective Sertoli cell differentiation in hypogonadism of so-called "obscure origin," 408*

Solomon, A. K., *see* Arons, W. L., 840†

——, *see* Streeten, D. H. P., 872†

Sonenberg, M. S., *see* Rall, J. E., 1369*

Sprague, A., *see* Klendshoj, N. C., 922*

Spencer, H.; Lewin, I., and Laszlo, D.: A simple test to study calcium metabolism in endocrine disorders, 861†

Spiegel, E. H., *see* Balch, H. E., 733*

Sprinkle, P., *see* Crispell, K. R., 221*

Stanbury, J. B.: Summary report of the 1952 World Health Organization Conference on endemic goiter, 1270*

——, *see* Brownell, G. L., 210*

——, *see* Goldsmith, R., 856†

Starr, P.: Diagnosis of hypothyroidism (Teaching Clinic), 1422*

——, *see* Catz, B., 878†

——, *see* Simkin, B., 854†

——, *see* Sturgeon, C. T., 1391*

——, *see* Questions and Answers, 742, 1150, 1297

Stein, R. O., *see* Perloff, W. H., 1548*

Steiner, M. M., with the technical assistance of Lawrence, G.: Rare dwarfism with chronic hypoglycemia and convulsions: observations with 1) ACTH and cortisone, 2) ACTH and thyroid, 283*

Stephenson, N. R.: Bioassay of adrenal corticoids by means of a thymus weight response in weanling rats, 845†

Sternberg, W. H.; Segaloff, A., and Gaskill, C. J.: Influence of chorionic gonadotropin on human ovarian hilus cells (Leydig-like cells), 139*

Stevens, C. E.; D'Angelo, S. A.; Paschkis, K. E.; Cantarow, A., and Sunderman, F. W.: Effect of cold on pituitary-thyroid-adrenal relationships in the guinea pig, 872†

——, *see* D'Angelo, S. A., 854†

Stimmel, B. F., and May, J. A.: The metabolism of β-estradiol in man, 874†

Streeten, D. H. P., and Solomon, A. K.: The effects of ACTH and adrenal steroid administration on potassium exchange in human erythrocytes, 872†

——, *see* Thorn, G. W., 604*

Sturgeon, C. T.; Davis, F. E.; Catz, B.; Petit, D., and Starr, P.: Treatment of thyroid cancer metastases with TSH and I^{131} during thyroid hormone medication, 1391*

Sugar, M.: Arthritis and panhypopituitarism, 1118*

Sunderman, F. W., *see* Stevens, C. W., 872†

Swaab, L. I.: In which cases of female and male sterility are hormone assays of value? 869†

Sydnor, K. L.; Sayers, G.; Brown, H., and Tyler, F. H.: Preliminary studies on blood ACTH in man, 891*

Szego, C. M., co-recipient of the 1953 Ciba Award (Endocrine Society), 1016

Szilagyi, D. E.; Barrett, J. L.; Longabaugh, E. R., and Preuss, L. E.: A radioiodine tracer study of the fate of human thyroid autotransplants, 1347*

Taylor, S.: The evolution of nodular goiter, 1232*

Teich, S., *see* Lieberman, S., 1140*

Terpstra, J., *see* Blom, P. S., 989*

Test, C. E., *see* Davis, M. E., 181*

Thomopoulou, H., and Li, C. H.: The histologic response of the gonads of intact immature mice to injections of gonadotropins, 834†

Thompson, W. O.: Changing concepts in thyroid physiology and therapy, 457*

——, *see* Questions and Answers, 130

Thorn, G. W.: Measurement of adrenal cortical function (Editorial), 614*

——; Goetz, F. C.; Streeten, D. H. P.; Dingman, J. F., and Arons, W. L.: Use of the intravenous ACTH test in clinical practice (Teaching Clinic), 604*

——; Jenkins, D.; Arons, W. L., and Frawley, T. F.: Use of desoxycorticosterone trimethylacetate in the treatment of Addison's disease, 957*

———, *see* Hall, T. C., 243*

——, *see* Jenkins, D., 843†

——, *see* Munson, P. L., 838†

Thuline, H. C., *see* Masuda, M., 581*

Tokuyama, I., *see* Maddock, W. O., 834†

Townsend, C. E., *see* Miller, G. E., 859†

TRUNNELL, J. B., and BRAYER, F. T.: Factors governing the development of the chick embryo thyroid. I. Determination of the time at which I^{131} collection begins, 88*
TULLNER, W. W., *see* HERTZ, R., 832†
TURNER, H. H.; HOWARD, R. P.; LINGENFELTER, F. M., and DEWAR, J. P.: The difficulties in the clinical management of hermaphrodism, 883†
——, *see* HOWARD, R. P., 832†
TYLER, F. H., *see* SANDBERG, A. A., 629*, 1445*
——, *see* SYDNOR, K. L., 891*

UNDERDAHL, L. O.; WOOLNER, L. B., and BLACK, B. M.: Multiple endocrine adenomas: report of 8 cases in which the parathyroids, pituitary and pancreatic islets were involved, 20*
UPTON, A. L., *see* BALCH, H. E., 733*

VANDERLINDE, R.J., *see* ARONS, W.L., 840†
VARTIAINEN, I., and APAJALAHTI, J.: Effect of ingested protein and tyrosine on circulating eosinophils, 1502*
VELARDO, J. T., *see* BEVER, A. T., 835†
VERMUND, H., *see* HALBERG, F., 871†
VICKERY, A. L., *see* DOBYNS, B. M., 548*
VILK, B. W., *see* LAZARUS, S. S., 863†
VILLAVERDE, M. M.: The effectiveness of oral cortisone in Sjoren's syndrome, 883†

WARREN, S.: The Banting Memorial Lecture: An interpretation of diabetes in light of its pathology (no abstract), 865
WATERHOUSE, C., *see* BURTON, R. B., 48*
WAYNE, H. L., and BOYLE, J.: Electroencephalographic observations on patients undergoing cortisone and ACTH therapy, 1070*
WEISSBERG, J., *see* PEARSON, S., 876†
WELHAM, W. C., *see* KYLE, L. H., 857†
WERNER, S. C.: ACTH and cortisone therapy of acute nonsuppurative (subacute) thyroiditis, 1332*
WEST, C. D.; PEARSON, O. H., and KAPPAS, A.: Physiologic effects of corticosterone in man, 841†
——, *see* PEARSON, O. H., 841†
WEST, K. M.: Adrenal cortical insufficiency associated with eosinopenia; report of a case, 791*
WHITNEY, J. E., see BENNETT, L. L., 392*
WEISBADER, H., *see* BLATT, M. H. G., 868†
——, *see* KUPPERMAN, H. S., 688*
WILKENING, L., *see* ROTHCHILD, I., 1213*
WILKINS, L.: The diagnosis of sexual abnormalities (Teaching Clinic), 369*
——: The need for an inhibitor of gonadotropin (Editorial), 739*
——, *see* CARA, J., 834†
——, *see* Questions and Answers, 377, 617
WILLIAMS, R. H., *see* HOGNESS, J. R., 882†
WILSON, D. L.: An effect *in vitro* of cortisone on intracellular potassium and sodium concentrations of rabbit leucocytes, 878†
WILSON, H.: Methods for the determination of formaldehydogenic steroids by diffusion and by direct reaction, 1465*
——; FAIRBANKS, R., and SCIALABBA, D.: Quantitative patterns of urinary corticosteroids, 875†
WISELL, J. G., and ASPER, S. P., JR.: The effects of thyroxine and triiodothyronine on oxygen utilization by tissues *in vitro*, 851†
WITSCHI, E.: The experimental adrenogenital syndrome in the frog, 316*
WOLF, R. S., *see* ROMANOFF, L. P., 928*
WOLFF, H. G., *see* HETZEL, B. S., 881†
WOLFSON, W. Q.: Inadequacy of epinephrine as an activator of the pituitary-adrenal system (Letter to the Editor), 125*
——; CHAMBLISS, M., and ROBINSON, W. D.: Human corticosterone metabolism. III. The urinary Pettenkofer chromogen increased by corticotropin or corticosterone is not dehydroepiandrosterone, 851†
WONG, T., *see* HOGNESS, J. R., 882†
WOODS, J. W., *see* RICHTER, C. P., 857†
WOODWARD, H., JR., *see* MILLER, M., 866†
WOOLNER, L. B., *see* BLACK, B. M., 1378*
——, *see* UNDERDAHL, L. O., 20*
WOTIZ, H. H., *see* LEMON, H. M., 948*
WURL, O. A., *see* BLOHM, R. W., JR., 519*

YENDT, E. R., *see* HOWARD, J. E., 997*

ZARROW, M. X., and NEHER, G. M.: Studies on the validity of the Hooker Forbes test for the determination of progesterone in untreated blood, 203*
——, *see* SHOGER, R. L., 849†
ZIMMERMANN, B., *see* BLOCH, H. S., 1206*
ZINGG, W., and PERRY, W. F.: The influence of adrenal and gonadal steroids on the uptake of iodine by the thyroid gland, 712*
ZINTEL, H., *see* DOHAN, F. C., 415*
ZUMOFF, B., and GOLD, J. J.: Evaluation of the hypertensive effects of norepinephrine on normal and Addisonian humans (Letter to the Editor), 225*

SUBJECT INDEX TO VOLUME 13

* Original article.

† Abstract of paper presented at the Thirty-fifth Annual Meeting of the Endocrine Society.

ABNORMALITIES: *see also* Congenital anomalies; Familial; and under various endocrine disorders
—— "post-natal malformation" of limb in the rat, by topical treatment with hydrocortisone, 838†
—— sexual; diagnosis of, 369*
ABSORPTION: *see* substance involved
ABSTRACTS of papers presented at the 35th Annual Meeting of the Endocrine Society, New York, N. Y., May 1953, 832†
ACNE: *see* Skin
ACROMEGALY: *see* Pituitary disorders
ACTH: *see* Pituitary preparations, adrenocorticotropic hormone (ACTH)
ADDISON'S DISEASE: *see also* Adrenal disorders; Steroids
—— acute adrenal insufficiency; water & salt metabolism in, 841†
—— and hypoparathyroidism, 1264*
—— blood ACTH in; effect of cortical hormone on, 891*
—— blood in: *see also* Blood; and under various chemical elements
—— carbohydrate metabolism in: *see also* Carbohydrate metabolism
—— DCTMA in treatment of, 957*
—— effect of corticosterone in, 841†
—— effect of cortisone on urinary α-ketolic steroids & electrolytes in, 48*
—— effect of epinephrine on metabolism of 17-OH-CS in, 629*
—— electrolyte metabolism in: *see also* Electrolytes
—— eosinophils in: *see also* Blood, cells
—— epinephrine *vs.* norepinephrine; effect on eosinophils in, 1226*
—— evaluation of norepinephrine in, 225*
—— hypoglycemia in; sensitivity to insulin, 587*
—— in juvenile diabetic; relation of eosinophil count to insulin dosage in, 753*
—— pigmentation; methods for study, 243*
—— psychologic changes in, 1291*
—— rate of disappearance of infused amino acids from plasma in, 429*
—— response to i.v. ACTH test in, 604*, 614*
—— steroid excretion pattern in, 1445*
ADDISON'S DISEASE (*cont.*)
—— therapy: *see also* Adrenal preparations; Questions & Answers
—— totally adrenalect'd cancer patients maintained on cortisone & glycyrrhizin; 17-KS in, 1064*
—— urine in: *see also* Adrenal preparations & compounds; Steroids
—— with eosinopenia, in a Negro, 791*
ADENOMAS: *see also* under organ involved
—— multiglandular, endocrine, 20* 1129*
ADRENALIN: *see* Adrenal preparations, epinephrine
ADRENAL
DISORDERS
—— Addison's disease: *see* Addison's disease
—— adrenocortical adenoma (Cushing's) stimulated by ACTH, 870†
—— adrenogenital syndrome, experimental, in the frog, 316*
—— adrenogenital syndrome; quant. effect of cortisone, progesterone, estrogen & *p*-HPP upon 17-KS excretion in, 1109*
—— Cushing's syndrome: *see* Cushing's syndrome
—— hyperadrenocorticism; fractionation of urinary estrogens in, 674*
—— hyperplasia, bilateral, in infant female pseudohermaphrodite, 783*
—— hyperplasia, bilateral, with Cushing's syndrome; the hypothalamus in, 884†
—— hyperplasia, congenital (male), treated with cortisone, 724*
—— hyperplasia treated by cortisone; effect on the testes, 834†
—— primary *vs.* secondary adrenocortical insufficiency; response to i.v. ACTH, 614*
—— sexual abnormalities; diagnosis of, 369*
—— therapy: *see also* Adrenal preparations; Questions & Answers
—— tumors; 4 cases with increased urinary estrogens, 415*
PHYSIOLOGY & PATHOLOGY
—— (ACTH) adrenocorticotropic hormone: *see* Pituitary preparations
—— adrenal vein blood, human; isolation of hydrocortisone & corticosterone from 1546*

ADRENAL (*cont.*)
PHYSIOLOGY & PATHOLOGY (*cont.*)
—— adrenals & diet; influence on hyaluronidase spreading reaction, 844†
—— adrenals & hepatic phospholipid (labelled) metabolism, 871†
—— adrenals & starvation; influence on iron storage, 844†
—— adrenalect'd rats; influence of sex on excretion of acid load in, 872†
—— adrenalectomy, unilateral, in treatment of prostatic cancer, 228*, 375*
—— ascorbic acid content of, in study of blood ACTH, 891*
—— cortex & the metabolic response to stress, 1555*
—— cortex; androgen production by, 838†
—— cortical activity assessed by mineral composition of thermal sweat, 773*
—— cortical function in man; relation of skin pigmentation to; bilat. adrenalectomy), 243*
—— critical function; measurement of, by i.v. ACTH, 614*
—— cortical response to stress, 843†
—— cortical secretions in relation to gonads of rats, 330*
—— experimental adrenogenital syndrome in the frog, 316*
—— function; effect of *p*-aminosalicylic acid on, 882†
—— function, in case of pituitary & parathyroid adenomas, 1129*
—— growth factor in, distinct from ACTH, 842†
—— hemiadrenalectomy, bilat.; remission of Cushing's syndrome after; hormone & electrolyte assays, 154*
—— pituitary-thyroid-adrenal relationship; effect of cold on, 872†
—— status in pituitary insufficiency following skull fracture, 1283*
—— weight & cholesterol conc. of; effect of injury & diet on, 874†
PREPARATIONS & COMPOUNDS
—— ACTH-adrenal steroid response test; evaluation in children, 850†
—— adrenal steroids; effect on K exchange in RBC, 872†
—— adrenal steroids; intermediate, *see* Pregnenolone
—— adrenal steroids of blood; bioassay of, 876†
—— adrenalin (*see* separate category—epinephrine)
—— adrenocortical steroid synthesis *in vitro;* effect of ACTH on, 848†

ADRENAL (*cont.*)
PREPARATIONS & COMPOUNDS (*cont.*)
—— adrenocortical steroids; new method for rapid chromatographic sep. & identif'n of, 1542*
—— adrenosteroidal compounds; importance of liver in transformation of, 839†
—— compound F & DCA; effects on organic & inorganic metabolism in adrenalect'd monkey, 871†
—— cortical hormone & the response to stress, 1555*
—— cortical steroids; new method for rapid chromatographic identification of, 847†
—— corticoids (*see* separate category)
—— corticosteroids; effect of cortisone on excretion of, 48*
—— corticosteroids in TSH-deficiency hypothyroidism, 795*
—— corticosteroids; methods for determination of, 1465*
—— corticosteroids, urinary; quant. patterns of, 875†
—— corticosterone metabolism, 851†
—— corticosterone; physiologic effects of in man, 841†
—— cortisone (*see* separate category)
—— DCA; effect on hemodynamics, electrolytes & steroid excretion in normal pregnancy, 1030*
—— DCA in rabbits; simulation of rabbit "toxemia of pregnancy," 300*
—— DCTMA in treatment of Addison's disease, 957*
—— effect of, *see also* Questions & Answers
—— epinephrine (*see* separate category)
—— Hydrocortisone & cortisone; isolation of from human adrenal vein blood, 1546*
—— hydrocortisone; "post-natal malformation" of limb, by topical treatment with, in rat, 838†
—— 17-hydroxycorticosteroid excretion, in assay of ACTH, 846†
—— 17-hydroxycorticosteroids & 17-KS, urinary; clinical applic. of method employing β-glucuronidase hydrolysis, 1445*
—— 17-hydroxycorticosteroids of blood & urine; effect of epinephrine on metabolism of, 629*
—— 17-hydroxycorticosteroids of blood in pregnancy, 898*
—— 17-hydroxycorticosteroids; response to i.v. ACTH test, 704*
—— 17,21-hydroxycorticosteroids in plasma, 1280*

ADRENAL (*cont.*)
PREPARATIONS & COMPOUNDS (*cont.*)
—— 17-ketosteroids: *see* Steroids, 17-KS
—— steroids; comparison of i.v., i.m. & oral administration, 993*
—— steroids, urinary; analysis of, following glucuronidase hydrolysis, 911*, 928*
—— steroids: *see also* Steroids
Corticoids
—— and dehydroisoandrosterone in 4 cases of adrenal tumor, 415*
—— and related steroids; absorption of, from implants in g. pig, 1201*
—— bioassay of, by means of thymus wt. response in weanling rats, 845†
—— (chemical), & salt-retaining factor in nephrosis; effect of ACTH, 1157*
effect of ACTH on, in hypo-ovarian states, 181*
—— effect of ascorbic acid and/or *l*-cystine on, 436*
—— in Cushing's syndrome; effect of bilat. hemiadrenelectomy, 154*
—— in Cushing's syndrome; effect of pituitary electrocoag. on, 1101*
—— in infant female pseudohermaphrodite, 783*
—— in standardization of ACTH, 165*
—— in study of adrenocortical function in nephrotic syndrome, 1169*
—— renal excretion of; relation to variations in glomerular filtration rate, 842†
Cortisone (*Compound E*)
—— acetate & glycyrrhizin-maintained totally adrenalect'd cancer patients; 17-KS in, 1064*
—— acetate; conversion of to other alpha-ketolic steroids, 48*
—— action of; influence of stress on, 843†
—— and ACTH; effect on EEG, 1070*
—— and ACTH therapy of acute nonsupp. thyroiditis, 1332*
—— and compound F; effect on excretion of 17-KS & 17-OH-CS, 1445*
—— and compound F, plus epinephrine; effect on blood 17-OH-CS, 629*
—— and DCA; effect on renal & thyroidal metabolism of iodine, 853†
—— and DCA; effect on thyroidal I^{131} uptake, 712*

ADRENAL (*cont.*)
PREPARATIONS & COMPOUNDS (*cont.*)
Cortisone (*cont.*)
——, compound F & ACTH; differences in effect of, on thyroid, 878†
—— conversion of to compound F, 1125*
—— diabetes; role of insulin in adaptation, 863†
—— effect, in rare dwarfism, 283*
—— effect on action of insulin following total pancreatectomy, 862†
—— effect on CH metabolism, measured by glucose assim. coeff., 865†
—— effect on circulating KL antibody in acute hepatitis, 648*
—— effect on excretion of dehydroepiandrosterone in idiopathic hirsutism, 1054*
—— effect on fatty liver & kidney changes in choline-deficient rats, 839†
—— effect on gonads of rat, 330*
—— effect on intracellular K & Na of rabbit leucocytes, 878†
—— effect on N balance & clinical state in the elderly, 534*
—— effect on pattern of urinary estrogens, 674*
—— effect on serum TSH in thyroidect'd rats, 854†
—— European symposium on, 628
—— evaluation of, 120*
—— fate & excretion of; 17-OH-CS in blood & urine, 849†
—— in congenital adrenal hyperplasia (male); effect on urinary 17-KS, corticosteroids & estrogens, 724*
—— in thyroiditis, 857†
—— influence on pituitary-thyroid interaction in goitrous rats, 854†
—— metabolism in perfused rat liver, 848†
—— or hydrocortisone; effect of simult. administration of ACTH, 869†
—— oral, in treatment of Sjögren's syndrome, 883†
—— quant. effect on 17-KS excretion in adrenogenital syndrome, 1109*
—— suppression or urinary pregnanediol by, in adrenocortical hyperplasia, 847†
—— treated patients; rate of disappearance of infused amino acids from plasma of, 429*
Epinephrine
—— effect of eosinophils in juvenile diabetics, 753*

ADRENAL (*cont.*)
PREPARATIONS & COMPOUNDS (*cont.*)
Epinephrine (*cont.*)
—— effect on eosinophils, Na, K & 17-KS in adrenalect'd patients, 873†
—— effect on 17-OH-CS of blood & urine, 629*
—— effect on urinary pH & electrolyte excretion, 1082*
—— eosinopenic response to; effect of TEAB, 1122*
—— inadequacy of, as activator of hypothalamic-pituitary-adrenal system, 123*, 125*
—— norepinephrine; evaluation of hypertensive effects, 225*
—— versus norepinephrine, in effect on eosinophils, 1226*
—— with ACTH i.v.; effect on eosinophils, 73*
AGE: *see also* Infants; Children; Climacteric
—— aged people; metabolic effects of androstanol-17β-one-3 in, 876†
—— elderly patients; influence of hormones on N balance & clinical state, 534*
—— elderly women; efficacy of TACE in, studied by vaginal smears, 258*
ALDOLASE: *see* Enzymes
ALLERGISTS, American College of: *see* American College of Allergists
ALLO-PREGNANE-3(β),20(β)-DIOL used as standard for determination of pregnanediol, 465*
AMENORRHEA: *see* Menstruation
AMERICAN COLLEGE OF ALLERGISTS, 1953 Annual Conclave, 488
AMERICAN DIABETES ASSOCIATION
—— Annual Meeting, New York, 1953; (one joint session with Endocrine Society)
— abstracts of program papers, 864†
— program, 485
AMERICAN GERIATRICS SOCIETY
—— 1953 Annual Meeting; announcements of, 488, 628
AMERICAN GOITER ASSOCIATION
ANNUAL MEETINGS
—— May 1953, Chicago, Ill.; announcements of, 135, 240, 381, 488
—— Apr.–May 1954, Boston, Mass.; announcements of, 1019, 1156, 1302, 1441, 1563
AWARDS
—— Van Meter Prize for 1953
— announcements of, 135, 240
— essay winning prize, 1358*
— recipients of prize & hon. mentions, 1442
AMERICAN GOITER ASSOCIATION (*cont.*)
AWARDS (*cont.*)
——Van Meter Prize for 1954; announcements of, 1019, 1156, 1302, 1441, 1563
—— Award of Merit for 1954; announcements of, 1302, 1441, 1564
—— Awards for Meritorious Service; recipients of, 1444
AMERICAN SOCIETY FOR STUDY OF STERILITY; award for research in infertility, 1444
AMINO ACIDS: *see* Protein
AMINOSALICYLIC ACID; effect on thyroid & adrenal function, 882†
ANABOLIC ACTIVITY: *see* Protein; Androgens
ANDROGENS: *see also* Testis; Steroids
—— androstanol-17β-one-3; effect of, in aged people 876†, and in agonadal obese male, 877†
—— dehydroepiandrosterone excretion in idiopathic hirsutism; influence of cortisone, 1054*
—— dehydroepiandrosterone, in study of corticosterone metabolism, 851†
—— dehydroisoandrosterone, urinary; metabolic precursors of, 1140*
—— effect of: *see also* Questions & Answers
—— effect on lipids & lipoproteins of serum, 838†
—— effect on seminal fructose, 510*
—— hypoandrogenic syndrome with normal spermatogenesis, 128*
—— in search for inhibitor of gonadotropin, 739*
—— methylandrostenediol; metabolism & clinical effects of, 189*
—— methylandrostenediol; some metabolic & biochemical effects of, 704*
—— methyltestosterone & progesterone, orally, in control of menometrorrhagia, 868†
—— production of, by human adrenal cortex, 838†
—— stimulation of: *see* Gonadotropins
—— test for, using transplant of testis in rat, 330*
—— testosterone; certain esters of; prolonged anabolic activity of, 832†
—— testosterone; effect on thyroidal I^{131} uptake, 712*
—— testosterone in treatment of pituitary failure 1283*
—— testosterone; metabolic effects in primary gonadal insufficiency, 1480*
—— testosterone; metabolism of, by neoplastic prostate, 948*
—— testosterone propionate; failure to interfere with action of progesterone, 203*

ANDROGENS (*cont.*)
—— urinary; in luteoma of ovary, 903*
ANNOUNCEMENTS: *see* Endocrine Society; and American College of Allergists, American Diabetes Association, American Geriatrics Society, American Goiter Association, American Society for Study of Sterility, European Symposium on Cortisone, Laurentian Hormone Conference, New York Academy of Medicine
ANNUAL MEETINGS: *see* Announcements; and under same of Society
ANSWERS: *see* Questions & Answers
ANTIBODY, circulating; effect of ACTH & cortisone on, in acute hepatitis, 648*
ANTIDIURETIC
—— activity of serum in health & disease, 64*
—— hormone antagonism, 859†
—— substance in human serum, 769*
ANTIGOITROGENS: *see* Antithyroid drugs; Thyroid disorders
ANTITHYROID DRUGS: *see also* Mercaptoimidazole; Thiouracil; Thyroid disorders
—— clinical experience with 2-carbethoxythio-1-methylglyoxaline, 1305*
—— effect of previous treatment with, on serum PBI, following I^{131}, 1358*, 1369*
—— preoperatively; postoperative myxedema after use of, 95*
ARTERIES: *see* Vascular system
ARTHRITIS, rheumatoid
—— and panhypopituitarism, 1118*
—— comparison of various ACTH preparations in, 165*
—— effect of i.v. ACTH, with & without epinephrine, in, 73*
—— effect of MAD in, 189*
—— influence of large doses of K on effects of ACTH in, 392*
ASCORBIC ACID: *see* Vitamin C
ASSEMBLY, POSTGRADUATE, IN ENDOCRINOLOGY & METABOLISM: *see* Endocrine Society
AUTHOR INDEX to Volume 13, 1565
AUTOTRANSPLANTS of human thyroid; fate of; I^{131} tracer study, 1347*
AWARDS (including Fellowships): *see* Endocrine Society, American Goiter Association, American Society for Study of Sterility
AYERST, MCKENNA & HARRISON FELLOWSHIP: *see* Endocrine Society, awards
AZOOSPERMIA: *see* Sterility; testis

BASAL METABOLISM
—— effect of antithyroid drugs on: *see* Antithyroid drugs
—— effect of iodine preparations on: *see* Iodine; Thyroid disorders
BASAL METABOLISM (*cont.*)
—— effect of thyroid substance on: *see* Thyroid preparations
—— effect of thyroxine & triiodothyronine on O_2 consumption in thyroidect'd rats, 880†
—— in assay of *l*-triiodothyronine in myxedema, 1341*
—— in diagnosis of myxedema; dosage of thyroid, 95*
—— in thyroid disorders: *see* Thyroid
—— increased O_2 consumption induced by thyroxine & by epinephrine; effect of Dibenzyline on, 853†
—— O_2 utilization *in vitro* by tissues; effect of thyroxine & triiodothyronine on, 851†
BEHAVIOR: *see* Brain; Mental; Nervous system; and under effects of various endocrines
BILIRUBIN: *see* Pigment
BLOOD: *see also* under constituent, or under disorder involved
—— ACTH in, 891* (*see also* Pituitary preparations & compounds, ACTH)
—— adrenal steroids in; bioassay of, 876† (*see also* Adrenal preparations & compounds)
—— antidiuretic substance in, 64*, 769*
—— calcium: *see* Calcium; Electrolytes
—— cells; *see* Blood, cells
—— chloride: *see* Chloride; Electrolytes; Sodium
—— cholesterol: *see* Cholesterol; Lipids
—— electrolytes: *see* Electrolytes
—— enzymes: *see* Enzymes
—— eosinophils: *see* Blood, cells, eosinophils
—— estrogens: *see* Estrogens
—— glucose: *see* Carbohydrate metabolism; Diabetes; Insulin
—— gonadotropin, chorionic: *see* Gonadotropins; Pregnancy
—— hemoglobin: effect of N^{15} on, in study of pyrimidine metabolism, 1021*
—— hemorrhage, postpartum; incidence of endocrine dysfunction following, 884†
—— 17-hydroxycorticosteroids, 898* *see also* Adrenal preparations & compounds)
—— 17,21-hydroxycorticosteroids 1280*
—— instrumentation for measuring I^{131} in, 210*
—— iodine: *see* Iodine
—— neutral 17-KS, 941*
—— leukemia, in male child treated with ACTH; urinary adrenocorticosteroids, 1542*
—— lipids: *see* Lipids

BLOOD (*cont.*)
—— phosphorus: *see* Phosphorus
—— potassium: *see* Potassium; Electrolytes
—— pressure: *see* Vascular system
—— progesterone: *see* Progesterone
—— protein: *see* Nitrogen; Protein
—— sugar: *see* Carbohydrate metabolism; Diabetes; Insulin
—— TSH in: *see* Pituitary, preparations & compounds, TSH
—— vessels: *see* Vascular system
—— vitamin A level during menstrual cycle, 1192*
CELLS
—— agranulocytosis following treatment with 2-carbethoxythio-1-methylglyoxaline, 1305*
—— leucocytes; effect of cortisone on intracellular K & Na of, 878†
—— of peritoneal fluid: effect of endocrines on, 850†
—— RBC; exchange of K in; effect of ACTH & adrenal steroids on, 872†
Eosinophils
—— and other leucocytes; effect of epinephrine on, 629*
—— effect of ACTH & epinephrine on, after adrenalect'y, 873†
—— effect of ACTH & epinephrine on, in TSH-deficiency hypothyroidism, 795*
—— effect of ACTH on, in hypoovarian states, 181*
—— effect of ACTH plus epinephrine on, 73*
—— effect of ingested protein & tyrosine on, 1502*
—— effect on, of K in association with ACTH, 392*
—— eosinopenia in Addison's disease, 791*
—— epinephrine *vs.* norepinephrine; comparison of effects on, 1226*
—— in a case of pituitary & parathyroid adenoma, 1129*
—— in juvenile diabetics; effect of epinephrine, ACTH & hypoglycemia on, 753*
—— in rare dwarfism; effect of endocrine therapy on, 283*
—— in standardization of ACTH, 165*
—— in study of adrenocortical response to stress, 843†
—— in study of effect of ACTH or cortisone on circ'g. KL antibody in hepatitis, 648*
—— response to epinephrine & ACTH; effect of TEAB on, 1122*
BLOOD (*cont.*)
CELLS (*cont.*)
Eosinophils (*cont.*)
—— response to i.v. ACTH test, 604*, 614*
BODY
—— fluids: *see* Blood; Peritoneal; Sweat; Urine
—— growth & weight: *see* Children; Dwarfism; Infants; Nutrition; Pituitary, preparations & compounds, growth hormone
—— temperature: *see* Temperature
—— tissues: *see* Tissues; and under organ involved
BONE: *see also* Calcium; Parathyroid; Phosphorus
—— decalcification, widespread, without renal involvement, in hyperparathyroidism, 733*
—— demineralization of spine in case of congenital testicular deficiency, 408*
—— matrix, decalcified; effect of parathyroid extract on, 860†
—— osteoporosis of primary gonadal insufficiency, 1480*
—— rickets; interaction of vitamin D & parathyroid hormone on renal excretion of P in, 271*
BOOKS RECEIVED: 136, 241, 751, 1020
BRAIN: *see also* Mental; Nervous system
—— EEG & mental changes in patients receiving cortisone & ACTH, 1070*
—— skull fracture; ant. pituitary insufficiency following, 1283*
BREAST: *see also* Menstruation; Ovary
—— cancer; effect of MAD in, 704*
—— cancer patients, totally adrenalect'd, maintained on cortisone & glycyrrhizin; 17-KS in, 1064*
—— disorders of: *see also* Questions & Answers
—— galactorrhea, amenorrhea & low FSH, 79*
—— gynecomastia in "fertile eunuch," 489*
—— gynecomastia in testicular deficiency, 408*, 415*
—— gynecomastia (male) & hyperthyroidism, 1126*
—— hormones required for development & function of, 836†
C^{14}: *see* Radioactive
CABBAGE, as cause of endemic goiter, 882†
CALCIUM: *see also* Bone; Electrolytes; Parathyroid
—— hypercalciuria, idiopathic, 860†
—— low renal threshold for, in hypopara-

CALCIUM (*cont.*)
thyroidism & Addison's disease, 1264*
—— metabolism in boy & girl with primary gonadal insufficiency, 1480*
—— metabolism in refractory case of hypoparathyroidism, 519*
—— of serum in hyperparathyroidism with spontaneous remission, 997*
—— of serum, in 2 unusual cases of hyperparathyroidism, 733*
—— salts i.v.; response to, in parathyroid disease & in normal subjects, 1*
—— tolerance test, in endocrine disorders, 861†
CANCER: *see also* under organ involved
—— hemangioendothelioma of thyroid, 801*
—— of the thyroid; relation to I^{131} therapy, 548*
—— of the thyroid: *see also* Thyroid disorders
—— prostatic; endocrine therapy of, 228*, 375*, 383*
—— relation to estrogen therapy, 1428*
2-CARBETHOXYTHIO-1-METHYLGLYOXALINE (Neomercazole®); a new antithyroid drug; clinical experience with (toxicity), 1305*
CARBOHYDRATE METABOLISM: *see also* Diabetes; Insulin; Pancreas
—— and growth hormone, 864†
—— effect of compound F & DCA on, in adrenalect'd monkey, 871†
—— effect of cortisone on, measured by glucose assimilation coefficient, 865†
—— fructose, seminal, in hypogonadism with spermatogenesis; effect of androgen on, 510*
—— fructose *vs.* glucose in initial treatment of experimental diabetic acidosis, 866†
—— glucose & fructose, labelled; utilization by liver slices of diabetic rats, 862†
—— glucose, fructose & invert sugar; comparison of utilization & excretion of, 658*
—— hypoglycemia, chronic, with dwarfism & convulsions; effect of ACTH, cortisone & thyroid in, 283*
—— hypoglycemia; medical aspects of, 587*
—— hypoglycemia; response of eosinophils to, in juvenile diabetics, 753*
—— polysaccharides of serum; effect of parathyroid extract on, 860†
—— polysaccharides of serum in diabetes, 866†
CARBON: *see* Carbohydrate metabolism; Radioactive, carbon
CARCINOMA: *see also* Cancer; and under organ involved
—— adrenocorticosteroids in adrenal vein blood of patients with, 1546*
—— of the thyroid, 1530* (*see also* Thyroid disorders)
CEREBROSPINAL FLUID: *see* Nervous system
CHICK embryo thyroid; time at which I^{131} collection begins, 88*
CHILDREN: *see also* Growth; Infants; and under various endocrine disorders
—— boy & girl; primary gonadal insufficiency in, 1480*
—— congenital disorders: *see* Congenital anomalies
—— evaluation in, of standard ACTH-adrenal steroid response test, 850†
—— 5-year-old boy with interstitial-cell tumor of testis, 1248*
—— interaction of vitamin D & parathyroid hormone on renal excretion of phosphate in, 271*
—— juvenile diabetics; effect of epinephrine & ACTH on eosinophils in, 753*
—— of diabetic fathers, 864†
—— with nephrosis, or nephrotic syndrome: *see* Kidney
CHLORIDE: *see also* Electrolytes; Sodium
—— isotonic sodium chloride infusion; effect on ascorbic acid & SH of blood, 662*
—— metabolism in Addison's disease: *see* Addison's disease
—— salt & DCA; effect in normal pregnancy, 1030*
—— salt, iodinated; report of 1952 WHO Conference on endemic goiter, 1270*
—— salt; *see also* Sodium
CHOLESTEROL: *see also* Lipids
—— concentration of adrenal; effect of injury & diet on, 874†
—— effect of, on absorption rate of implanted steroid pellets in g. pig, 1201*
—— of plasma, in diagnosis of myxedema; effect of thyroid, 95*
—— of serum in nephrotic syndrome; effect of ACTH, 1169*
—— of serum in rabbits; effect of DCA on, 300*
—— of serum in rare dwarfism; effect of endocrine therapy on, 283*
—— of serum, in study of human thyroid autotransplants, 1347*
CHORIONIC GONADOTROPIN: *see* Gonadotropins: Pregnancy
CHROMATOGRAPHY: *see* Methods
CHROMOPHOBE ADENOMA: *see* Pituitary disorders
CIBA AWARD: *see* Endocrine Society

CLIMACTERIC: *see also* Estrogens; Menstruation; Ovary
—— aged women; effect of TACE in, studied by vaginal smears, 258*
—— cyclopentylpropionate in 1279*
—— evaluation of activity of various estrogens in: *see also* Estrogens
—— menopausal index, in clinical evaluation of estrogens, 688*
—— menopause & castration; effect of ACTH in, 181*
—— postmenopausal female; endometrial hyperplasia associated with ovarian Leydig-cell tumor in, 1254*
—— therapy: *see also* Questions & Answers
CLINICS, TEACHING: *see* Teaching Clinics
COBALT; selective destruction of alpha cells of pancreatic islets by, 863†
COLD: *see* Temperature
COMMITTEE, PUBLICATIONS, of the Endocrine Society: *see* Endocrine Society
COMPOUNDS B, E & F: *see* Adrenal preparations & compounds
CONGENITAL ANOMALIES: *see also* Familial; Hermaphrodism; and under various endocrine disorders
—— associated with primary hypogonadism: *see* Ovary, disorders; Testis, disorders
—— congenital adrenal hyperplasia: *see* Adrenal disorders
—— congenital testicular deficiency, 408*
CONVULSIONS: *see* Nervous system
CORTICOIDS, CORTICOSTEROIDS: *see* Adrenal preparations & compounds: Steroids
CORTISONE: *see* Adrenal preparations & compounds, cortisone
COUNCIL of the Endocrine Society: *see* Endocrine Society
COURSES
—— assembly, postgraduate, in endocrinology & metabolism: *see* Endocrine Society
—— graduate fortnight: *see* New York Acad. of Medicine
CREATININE: *see* Nitrogen; Protein
CRETINISM: see Thyroid disorders, hypothyroidism
CRYPTORCHIDISM: *see* Testis, disorders
CUSHING'S SYNDROME: *see also* Adrenal disorders; Pituitary disorders
—— adrenocortical adenoma as cause; stimulation of, by ACTH, 870†
—— blood ACTH in, 891*
—— due to bilat. adrenal hyperplasia; the hypothalamus in, 884†
—— effect of high-fat diet on steroid excretion in, 873†
—— quant. patterns of urinary corticosteroids in, 875†
CUSHINGS SYNDROME (*cont.*)
—— remission of, after bilat. hemiadrenalectomy; hormone & electrolyte assays, 154*
—— steroid excretion pattern in, 1445*
—— therapy: *see also* Questions & Answers
—— treated by electrocoagulation of hypophysis, 1101*
l-CYSTINE: *see* Protein

DEHYDROISOANDROSTERONE: *see* Androgens
DESOXYCORTICOSTERONE (DCA): *see* Adrenal preparations & compounds
DIABETES MELLITUS: *see also* Carbohydrate metabolism; Insulin; Pancreas
—— American Diabetes Association: *see* American Diabetes Association
—— diabetic rat liver slices; utilization of labelled glucose & fructose by, 862†
—— diabetics, juvenile (1 with Addison's disease); changes in eosinophils in response to epinephrine, ACTH & hypoglycemia, 753*
—— effect of cortisone on, in adrenogenital syndrome, 1109*
—— experimental acidosis; effect of fructose *vs.* glucose in initial treatment of, 866†
—— glucose tolerance test: *see also* Carbohydrate metabolism
—— in Negress with TSH-deficiency hypothyroidism, 795*
—— interpretation of, in light of its pathology (Banting memorial lecture) (no abstract), 865
—— serum polysaccharides in; relation of degen. vascular disease to, 866†
—— *spontaneous, in dogs (no abstract)*, 867
—— steroid; role of insulin in adaptation to cortisone, 863†
—— sugar tolerance test: *see also* Carbohydrate metabolism
—— the prediabetic father, 864†
—— *therapy: see also Questions & Answers*
DIBENZYLINE: effect on the increased O_2 consumption induced by thyroxine & by epinephrine, 853†
DIET: *see* Nutrition; Vitamins
DIETHYLSTILBESTROL: *see* Estrogens
DIHYDROTACHYSTEROL; refractoriness to, in hypoparathyroidism, 519*
DIPHTHERIA toxoid; effect of ACTH & cortisone on circ'g antibody produced by, 648*
DIURESIS: *see* Antidiuretic; Kidney; Water

DWARFISM: *see also* Growth; Syndromes; and under various endocrine disorders
—— effect of cryst. growth hormone in, 865†
—— pituitary: *see* Pituitary disorders
—— primordial, with pancytopenic hypersplenism in 2 siblings, 883†
—— rare, with chronic hypoglycemia & convulsions; effect of ACTH, cortisone & thyroid in, 283*
—— therapy: *see also* Questions & Answers

ECLAMPSIA: *see* Pregnancy
EDEMA: *see* Electrolytes; Water
EDITOR, LETTERS TO: *see* Letters to the Editor
EDITORIAL BOARD & EDITOR of the Journal: *see* Endocrine Society
EDITORIALS, 120*, 231*, 375*, 473*, 614*, 739*, 818*, 1009*, 1140*, 1291*, 1428*, 1555*
ELASTIC fibers: *see* Tissues
ELECTROCARDIOGRAM: *see* Heart
ELECTROCOAGULATION
—— epilation by electrocoagulation, 451*
—— of hypophysis, in treatment of Cushing's syndrome, 1101*
ELECTROENCEPHALOGRAM (EEG): *see* Brain
ELECTROLYTES: *see also* under specific chemical element involved; and under various endocrine glands
—— as influenced by large doses of K in association with ACTH, 392*
—— balance, following treatment with DCTMA in Addison's disease, 957*
—— balance, in normal pregnancy; effect of DCA on, 1030*
—— effect of ACTH & cortisone on, in Addison's & other diseases, 48*
—— effect of ACTH & epinephrine on, after adrenalectomy, 873†
—— effect of ACTH on in hypo-ovarian states, 181*
—— effect of compound F & DCA on, in adrenalect'd monkey, 871†
—— effect of methylandrostenediol on, 189*
—— excretion of, & urinary pH; effect of epinephrine on, 1082*
—— in Cushing's syndrome treated by bilat. hemiadrenalectomy, 154*
—— in hypoparathyroidism with Addison's disease, 1264*
—— in primary gonadal insufficiency in boy & girl, 1480*
—— K & Na, intracellular, of rabbit leucocytes; effect of cortisone on, 878†
—— metabolism of, in nephrotic syndrome; effect of ACTH, 1169*
ELECTROLYTES (*cont.*)
—— of serum in rabbits; effect of DCA on, 300*
—— of thermal sweat, 773*
ENDOCRINE: *see also* Androgens; Estrogens; Gonadotropins; Hormones; Progesterone; Steroids; and under various endocrine glands
—— adenomas, multiple, 20*, 1129*
—— disorders; calcium tolerance test in, 861†
—— effects on blood cells, studies in peritoneal fluid, 850†
—— endocrines: *see also* Questions & Answers
—— manifestations of hypothalamic disease, 858†
—— research; pitfalls of, 231*
—— review (medical aspects of hypoglycemia, 587*
—— Society: *see* Endocrine Society
—— therapy of prostatic cancer, 228*, 375*, 383*
ENDOCRINE SOCIETY
ABSTRACTS
—— of papers presented at 35th Annual Meeting (1953), New York, N. Y., 832†
ANNUAL MEETINGS
—— *Thirty-fifth*, New York, N. Y., May 1953
—announcements of, 132, 237, 381, 480, 627
— program of (last session, joint, with Am. Diabetes A.), 481
— abstracts of papers on program, 832†
—— *Thirty-sixth*, San Francisco, California, June 1954
— announcements of, 1015, 1155, 1299, 1438, 1560
AWARDS & FELLOWSHIPS (Ciba award; Squibb award; Ayerst, McKenna & Harrison fellowship; Schering fellowship)
—— *for 1953*
— announcements of, 133, 238
— recipients of, 1016
—— *for 1954*
— announcements of, 1300, 1561
EDITORIALS: *see* Editorials
FELLOWSHIPS: *see* Endocrine Society, awards
JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM: *see* Journal
LETTERS TO THE EDITOR: *see* Letters to the Editor
OFFICERS: COUNCIL: PUBLICATIONS COMMITTEE: EDITORIAL BOARD & EDITOR
—— *for 1952–53: see* general informa-

ENDOCRINE SOCIETY (*cont.*)
tion pages, front ad. section, Jan.–June issues
—— *for 1953–54: see Ibid.*, July–Dec. issues
POSTGRADUATE ASSEMBLY IN ENDOCRINOLOGY & METABOLISM
—— *Fifth*, Miami, Fla., Nov. 1952
— answers to questions submitted at: *see* Questions & Answers
—— *Sixth* (with University of Minnesota Medical School), Minneapolis, Minn., Sept.–Oct. 1953
— announcements of, 886, 1015 1155
— program of, 887
ENDOCRINOLOGY: *see also* Endocrine Society; Endocrine
—— courses in: *see* Courses; and Questions & Answers
—— fellowships & awards in: *see* Endocrine Society; American Goiter Assoc.; American Society Study Sterility
—— Journal of Clinical Endocrinology & Metabolism: *see* Journal
ENDOMETRIUM: *see* Menstruation; Uterus
ENZYMES
—— aldolase of serum in prostatic cancer, and of prostate after orchiectomy, 383*
—— enzymatic interaction *in vitro* between prostatic neoplasms & testosterone, 948*
—— β-glucuronidase hydrolysis; chemical method for 17-OH-CS & 17-KS in urine, following, 911*
—— hyaluronidase spreading reaction; influence of diet & adrenals on, in rat, 844†
—— lactic dehydrogenase-DPNH oxidase system; effect of progesterone on, 835†
—— phosphatase (alk.) of serum; effect of MAD on, 704*
—— phosphatase (alk.) of serum in male primary gonadal insufficiency; effect of testosterone on, 1480*
EOSINOPHILS: *see* Blood, cells
EPILATION by electrocoagulation, 451*
EPINEPHRINE: *see* Adrenal preparations & compounds, epinephrine
EPIPHYSES: *see* Bone
ESSAY winning Van Meter Prize: *see* American Goiter Association
ESTRADIOL: ESTRIN: ESTRIOL: *see* Estrogens
ESTROGENS: *see also* Climacteric; Gonadotropins; Hermaphrodism; Hormones; Menstruation; Ovary; Pregnancy; Progesterone; Sex; Steroids
ESTROGENS (*cont.*)
—— activity of, in various urinary preparations, 845†
—— and progesterone; effect on lipids & lipoproteins of serum, 838†
—— changes produced by, in human testes, 867†
—— diethylstilbestrol; biologic titration against activity of prostatic cancer; effect on serum aldolase, 383*
—— effect on adrenals & sex differentiation in frog larvae, 316*
—— effect on 17-KS & amenorrhea in adrenogenital syndrome; determination of estrogen in blood, 1109*
—— effects of: *see also* Questions & Answers
—— estradiol cyclopentylpropionate, 1279*
—— estradiol; effect on thyroidal I^{131} uptake, 712*
—— β-estradiol; metabolism of, in man, 874†
—— estrogen mixtures; quant. fluorometry of, 877†
—— estrone, isotopic; metabolism of, in pregnancy, 847†
—— ethinyl estradiol in treatment of acne & hirsutism, 809*
—— in inhibition of action of progesterone, 203*
—— in search for inhibitor of gonadotropin, 739*
—— in therapy of prostatic cancer, 228*, 375*, 383*
—— in treatment of primary ovarian insufficiency, 1480,* 1551*
—— inhibition by, of "compensatory" renal hypertrophy in rat, 837†
—— insufficiency of, associated with galactorrhea & low FSH, 79*
—— pituitary-inhibiting action; augmentor of, 835†
—— pretreatment; effect of, on amino acid incorporation, 836†
—— production of, by ovarian tumor composed of testicular cell types, 1254*
—— steroidal & nonsteroidal; clinical evaluation of, by menopausal & amenorrheal indices, 688*
—— stilbestrol, monobenzyl ether of; activity of, 730*
—— studies on colorimetric estimation of, 875†
—— TACE; efficacy of, 258*
—— TACE; "human assay" of, 688*
—— therapy in gynecology, 1428*
—— urinary; fractionation of, by countercurrent distribution in hyperadrenocorticism, 674*, 846†

ESTROGENS (*cont.*)
—— urinary; in boy with congenital adrenal hyperplasia; effect of cortisone, 724*
—— urinary; in luteoma of ovary, 903*
—— urinary; in woman with stigmata of Turner's syndrome & reg. menstrual rhythm, 1548*
—— urinary increased in 4 cases of adrenal tumor, 415*
ESTRONE: *see* Estrogens
EUNUCHISM, EUNUCHOIDISM: *see* Testis, disorders; Androgens; Pituitary, disorders
EUROPEAN Symposium on Cortisone; Univ. of Studies, (Milan) Società Italiana di Reumatologia, 628
EXOPHTHALMIC GOITER: *see* Thyroid disorders, hyperthyroidism
EXOPHTHALMOS: *see* Eyes; and Thyroid disorders
EYES
—— intraocular pituitary transplants in mice; control of TSH in, 855†
—— effect of I^{131} on, 107*
Exophthalmos
—— etiology, 457*
—— malignant, and postop. hypothyroidism, complicating Graves' disease, 1132*
—— malignant; treatment of, by x-ray of pituitary, 1090*
—— of Graves' disease, 818*
—— treatment of: *see also* Questions & Answers

FAMILIAL
—— incidence of thyroid disease, 881†
—— primordial dwarfism, 883†
—— rare dwarfism in siblings, 283*
FAT: *see also* Cholesterol; Diet; Lipids
—— fatty changes in choline-deficient rats; effect of cortisone on, 839†
—— high-fat diet; effect on steroid excretion in Cushing's syndrome, 873†
FELLOWSHIPS: *see* Awards
FERTILITY: *see* Sterility; Ovary; Pregnancy; Testis
FLUOROMETRY: *see* Methods
FOLLICLE-STIMULATING HORMONE (FSH): *see* Gonadotropins; Pituitary
FRACTURE of skull; pituitary insufficiency following, 1283*
FROG; experimental adrenogenital syndrome in, 316*
FRÖHLICH'S SYNDROME: *see* associated with Ovarian, Pituitary & Testicular disorders
FRUCTOSE: *see* Carbohydrate metabolism
FSH: *see* Gonadotropins; Pituitary

GASTROINTESTINAL
—— disorders, in case of hypoparathyroidism with Addison's disease, 1264*
—— peptic ulcer associated with hyperparathyroidism, 997*
GERIATRICS
—— American Society: *see* American Geriatrics Society
—— old age: *see* Age; Climacteric
GLUCOSE: *see* Carbohydrate metabolism: Diabetes; Insulin
GLUCURONIDASE: *see* Enzymes
GLYCOGEN: *see* Carbohydrate metabolism; Liver
GLYCOSURIA: *see* Carbohydrate metabolism; Diabetes
GLYCYRRHIZIN, in maintenance of totally adrenalect'd cancer patients; effect on 17-KS, 1064*
GOITER: *see also* Thyroid disorders
—— American Association: *see* American Goiter Association
GOITROGENS: *see* Antithyroid drugs; Thyroid disorders
GONADOTROPINS: *see also* Pituitary preparations & compounds; Pregnancy
—— activity of, in various urinary preparations, 845†
—— chorionic, in pregnancy: *see* Pregnancy
—— chorionic; influence on ovarian hilus cells, 139*
—— effects of: *see also* Questions & Answers
—— FSH in Cushing's syndrome treated by bilat. hemiadrenalectomy, 154*
—— FSH in hyperadrenocorticism, 674*
—— FSH in hypoandrogenic syndrome with normal spermatogenesis, 128*
—— in congenital testicular deficiency, 408*
—— in 4 cases of adrenal tumor, 415*
—— in TSH-deficiency hypothyroidism, 795*
—— in woman with stigmata of Turner's syndrome & reg. menstrual rhythm, 1548*
—— inhibiting effect of augmentor from pregnant-mare urine, 835†
—— inhibitor of; need for 739*
—— injections of, in immature mice; histologic response of gonads to, 834†
—— normal FSH in "fertile eunuchs"; response to CG therapy, 489*
—— pituitary (hog) and subsequent antihormone; effect on ovarian function, 834†
—— urinary, in boy with congen. adrenal hyperplasia, 724*

GONADOTROPINS (*cont.*)
—— urinary, in pregnancy, 837†
—— urinary, in primary gonadal insufficiency in boy & girl, 1480*
—— urinary, in primary ovarian failure, 1551*
—— urinary, in syndrome of estrogenic insufficiency & galactorrhea, 79*
GONADS: *see also* Androgens; Estrogens; Gonadotropins; Hermaphrodism; Ovary; Sex; Testis
—— experimental adrenogenital syndrome in the frog, 316*
—— in the rat; relation of adrenocortical secretions to, 330*
—— of immature mice; histologic response of, to injected gonadotropins, 834†
—— treatment of disorders of: *see* under specific endocrine gland; and Questions & Answers
GRAVES' DISEASE: *see* Thyroid disorders, hyperthyroidism
GROWTH: *see also* Abnormalities; Children; Dwarfism; and under various endocrine glands
—— factor, adrenal, distinct from ACTH, 842†
—— hormone: *see* Pituitary preparations & compounds; and Questions & Answers
GYNECOLOGY: *see* Ovary, disorders; Menstruation
GYNECOMASTIA: *see* Breast

HAIR: *see also* associated with Adrenal disorders; Cushing's syndrome; Hermaphrodism; Virilism
HIRSUTISM
—— and acne; ethinyl estradiol therapy for, 809*
——; effect of methylandrostenediol in, 189*
——; epilation by electrocoagulation, 451*
——, idiopathic; urinary dehydroepiandrosterone in; influence of cortisone, 1054*
HEART
—— cardiac edema; antidiuretic activity of serum in, 64*
—— ECG in hypothyroidism, 1422*
—— effect of DCA & salt on, in rabbits, 300*
HEMORRHAGE: *see* Blood
HEREDITARY: *see* Congenital; Familial
HERMAPHRODISM: *see also* Adrenal disorders; Ovary; Testis
—— difficulties in clinical management of, 883†
HERMAPHRODISM (*cont.*)
—— pseudohermaphrodism, female; diagnosis of, 369*
—— pseudohermaphrodism, female; 2 unusual cases, 783*
HIRSUTISM: *see* Hair
HOOKER-FORBES test for progesterone in untreated blood; validity of, 203*
HORMONES: *see also* Androgens; Estrogens; Gonadotropins; Progesterone; Steroids; and under various endocrine glands
—— assay of; valuable in selected cases of sterility, 869†
—— conference on: *see* Laurentian Hormone Conference
—— effects of: *see also* Questions & Answers
—— required for development & function of mammary gland, 836†
——, steroid; relation to acne & hirsutism, 809*
——, steroid: *see also* Steroids
HYALURONIDASE: *see* Enzymes
HYDROCORTISONE; 17-HYDROXYCORTICOSTERONE: *see* Adrenal preparations & compounds
p-HYDROXYPROPIOPHENONE; effect on 17-KS & amenorrhea in adrenogenital syndrome, 1109*
HYPERGLYCEMIA: *see* Carbohydrate metabolism; Diabetes
HYPERTENSION: *see* Vascular system
HYPERTHYROIDISM: *see* Thyroid disorders
HYPERTRICHOSIS: *see* Hair
HYPOANDROGENIC SYNDROME: *see* Androgens; Testis
HYPOGENITALISM: *see* Hermaphrodism; Menstruation; Ovary; Pituitary; Sterility; Testis
HYPOGLYCEMIA: *see* Carbohydrate metabolism; Diabetes; Insulin
HYPOGONADISM: *see* Hermaphrodism; Menstruation; Ovary; Pituitary; Sterility; Testis
HYPOPITUITARISM: *see* Pituitary disorders
HYPOTHALAMUS
—— disease of; endocrine manifestations, 858†
—— fractionation of, for pituitary-stimulating activity, 859†
—— hypothalamic-pituitary-adrenal system; inadequacy of epinephrine as activator of, 123*, 125*
—— in Cushing's syndrome due to bilat. adrenal hyperplasia, 884†
HYPOTHYROIDISM: *see* Thyroid disorders

IMPOTENCE: *see* Androgens; Sterility; Testis

INDEX (*cont.*)
—— author, 1565
—— subject, 1578
INFANTS: *see also* Congenital abnormalities; Children; Pregnancy
—— of hypoparathyroid mother refractory to antitetanic therapy, 519*
—— two unusual cases of female pseudohermaphrodism in, 783*
INFECTION: *see* Stress
INFERTILITY: *see* Sterility
INJURY: *see* Stress
INSULIN: *see also* Carbohydrate metabolism; Diabetes; Pancreas
—— effect of cortisone on action of, following total pancreatectomy, 862†
—— effect on N balance in the elderly, 534*
—— hypoglycemia, 587*
—— role of, in adaptation to cortisone in steroid diabetes, 863†
—— therapy: *see also* Questions & Answers
INSTRUMENTATION for thyroid measurement, 210*
INVERT SUGAR: *see* Carbohydrate metabolism
IODINE: *see also* Thyroid; Antithyroid drugs; Thiouracil
—— and endemic goiter; report of 1952 WHO Conference on, 1270*
—— and thyroid in treatment of exophthalmos of Graves' disease, 818*
—— in blood; various compounds of: *see also* Thyroid preparations & compounds
—— in relation to evolution of nodular goiter, 1232*
—— in treatment of simple goiter, 1312*
—— iodothiouracil: *see* Thiouracil
—— metabolism: *see also* Questions & Answers
—— PBI & urinary excretion, in assay of *l*-triiodothyronine in myxedema, 1341*
—— PBI; determination of, by dry-ashing method, 444*
—— PBI in case of myxedema with goiter; effect of thyroid, 469*
—— PBI in diagnosis of hypothyroidism, 1422*
—— PBI in thyrotoxicosis; effect of I^{131} on, 548*
—— PBI, pre- & post-op., in study of human thyroid autotransplants, 1357*
—— radioactive: *see* separate category
—— SPI, in study of thyroiditis treated with ACTH or cortisone, 1332*
—— stable; uptake of *vs.* serum PBI, in thyroid disease, 1358*
—— unique serum I component in thyroid cancer, 852†
IODINE (*cont.*)
Radioactive
—— and TSH; effect of, on thyroid cancer metastases during thyroid medication, 1391*
—— behavior cycles produced in rats by, 857†
—— blood level as guide to therapy with, 1369*
—— collection of, by chick embryo thyroid; effect of TSH, 88*
—— effect in TSH-deficient hypothyroidism, 795*
—— functional & histologic effects of, on human thyroid, 548*
—— high PBI^{131} in blood in myxedema 989*
—— in study of thyroid uptake *vs.* PBI, 1358*
—— in study of TSH secretion in intraocular pituitary transplants, 855†
—— in study of evolution of nodular goiter, 1232*
—— in the thyroid; instrumentation for measurement of, 210*
—— in treatment of hyperthyroidism; histologic lesions in thyroid following, 1513*
—— in treatment of toxic goiter, 107*
—— low uptake of, with high BMR, in case of adrenal tumor, 415*
—— metabolism of; effects of altered thyroid function on, 880†
—— one-hour uptake of oral dose, in diagnosis of hyperthyroidism, 221*
—— renal & thyroidal metabolism of; effect of cortisone & DCA on, 853†
—— serum concentrations of, in diagnostic tracer studies, 980*
—— tracer, in study of hypoparathyroidism & Addison's disease, 1264*
—— tracer study of fate of human thyroid autotransplants, 1347*
—— uptake by carcinoma of thyroid; 128 cases, 1378*
—— uptake; effect of adrenal & gonadal steroids on, 712*
—— uptake in case of myxedema with goiter; effect of thyroid therapy, 469*
—— uptake in hypothyroidism, 1422*
—— uptake in pituitary insufficiency following skull fracture, 1283*
—— uptake, in study of simple goiter treated with thyroid, 1312*
—— uptake, in thyroiditis treated with ACTH or cortisone, 1332*
IODOTHIOURACIL: *see* Thiouracil
IRON storage; influence of starvation & adrenal upon, 844†

IRRADIATION: *see* Radioactive; Roentgen-ray
ITRUMIL (iodothiouracil): *see* Thiouracil

JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM
—— announcement of new sections added, 137
—— Editorial Board, Editor, Publications Committee: *see* Endocrine Society
—— Editorials: *see* Editorials
—— Index, year 1953 (vol. 13)
— author, 1565
— subject, 1578
—— Letters to the Editor: *see* Letters to the Editor
—— Table of contents, year 1953 (vol. 13), i—Dec.
JUVENILE: *see* Children

KETOSTEROIDS & 17-KETOSTEROIDS: *see* Steroids
KIDNEY: *see also* Urine
—— adrenocortical steroids & renal function in Addison's dis. studied via amino acid metabolism, 429*
—— diuresis: *see also* Antidiuretic; Water
—— dysfunction associated with idiopathic hypercalciuria, 860†
—— effect of DCA & salt on, in rabbits, 300*
—— effect of DCA on, in pregnancy, 1030*
—— effect on disappearance of progesterone from blood, 849†
—— nephrosis; chemical corticoids, salt-retaining factor & effect of ACTH, 1157*
—— nephrotic syndrome; adrenocortical function in, 1169*
—— relationship of renal excretion of adrenocorticoids to variations in glom. filt. rate, 842†
—— renal & thyroid clearances, following I^{131}, 1358*
—— renal excretion of phosphate; interaction of vitamin D & parathyroid hormone on, 271*
—— renal function in hyperparathyroidism with spont. remission, 997*
—— renal hypertrophy, "compensatory"; inhibition of, by estrogen in the rat, 837†

LAHEY, FRANK H., Obituary, 1434
LAURENTIAN HORMONE CONFERENCE, program, 382
LETTERS TO THE EDITOR, 123*, 125*, 128*, 225*, 465*, 730*, 809*, 989*, 993*, 1122*, 1125*, 1126*, 1128*, 1129*, 1279*, 1280*, 1542*, 1544*, 1546*, 1548*
LEUKEMIA: *see* Blood
LEYDIG CELLS: *see* Ovary; Testis
LIPIDS: *see also* Cholesterol; Fat; Phosphorus
—— and lipoproteins of serum; influence of sex hormones on, 838†
—— lipoproteins of serum in rabbits; effect of DCA on, 300*
LIVER
—— disease; antidiuretic activity of serum in, 64*
—— effect of DCA & salt on, in rabbits, 300*
—— fatty changes in, in choline-deficient rats; effect of cortisone on, 839†
—— hepatitis, acute; effect of ACTH & cortisone on circ'g KL antibody in, 648*
—— hepatogenic hypoglycemia, 587*
—— homogenates; activity in transforming cortisone to compound F, 1125*
—— importance of, in transformation of adrenosteroidal compounds, 839†
—— perfused, of rat; cortisone metabolism in, 848†
—— phospholipid (labelled) metabolism of, and the adrenal, 871†
—— role in metabolism of progesterone, 1043*
—— slices from diabetic rat; utilization of labelled glucose & fructose by, 862†
LUTEOMA: *see* Ovary, disorders

MACROGENITOSOMIA PRECOX: *see* Adrenal disorders
MAD (Methylandrostenediol): *see* Androgens
MALNUTRITION: *see* Nutrition; Vitamins
MEETINGS: *see* Announcements
MENOPAUSE: *see* Climacteric
MENSTRUATION: *see also* Climacteric; Estrogens; Pregnancy; Progesterone; Ovary; Uterus
—— amenorrhea; cervical mucus in; crystallization test, 974*
—— amenorrhea due to primary ovarian failure; effect of estrogen, 1551*
—— amenorrhea; effect of cortisone on, in adrenogenital syndrome, 1109*
—— amenorrhea, galactorrhea & low FSH, 79*
—— amenorrhea, primary; effect of ACTH in, 181*
—— amenorrheal index, in clinical evaluation of estrogens, 688*
—— endometrial hyperplasia, postmenopausal, associated with ovarian tumor containing Leydig cells, 1254*
—— gynecology; estrogen therapy in, 1428*
—— menometrorrhagia; control by oral

MENSTRUATION (*cont.*)
progesterone & methyltestosterone, 868†
—— menopause: *see* Climacteric
—— menorrhagia; obscure uterine lesion as cause of, 813*
—— menstrual cycle; serum vitamin A during, 1192*
—— ovulation: *see also* Ovary; Progesterone; Sterility
—— ovulation time; transvaginal pelvioscopy, temp. curve & endomet. biopsy, 868†
—— regular rhythm of, in woman with stigmata of Turner's syndrome, 1548*
—— therapy of: *see also* Questions & Answers
—— withdrawal bleeding in aged women after treatment with TACE (vag. smears), 258*
MENTAL: *see also* Brain; Nervous system
—— behavior cycles produced in rats by thyroidectomy, I^{131} or sulfamerazine, 857†
—— psychiatric manifestations in hyperparathyroidism with spont. remission 997*
—— psychologic changes in Addison's disease, 1291*
—— psychosomatic aspects of thyrotoxicosis, 473*
—— symptoms in Addison's disease; effect of treatment, 791*
MERCAPTOIMIDAZOLE; critical evaluation of, in treatment of hyperthyroidism, 879†
METHIMAZOLE: *see* Mercaptoimidazole
METHODS: *see also* Tests
—— *allo*-pregnane-3(β),20(β)-diol as substitute standard in determination of pregnanediol, 465*
—— amperometric technique, modified, for SH in blood, 662*
—— bioassay of adrenocorticoids by thymus wt. response, 845†
—— chemical, for 17-OH-CS & 17-KS in urine, following β-glucuronidase hydrolysis, 911*
—— colorimetric estimation of estrogens; studies on, 875†
—— countercurrent distribution, for fractionation of urinary estrogens, 674*
—— dry-ashing, for PBI, 444*
—— for determination of formaldehydogenic steroids by diffusion & by direct reaction, 1465*
—— for estimation of plasma neutral 17-KS, 941*
—— for extraction & fractionation of ur. steroids following glucuronidase hydrolysis, 928*
METHODS (*cont.*)
—— for fractionation of fluorometrically measured estrogens, 846†
—— for 17,21-hydroxycorticosteroids in plasma, 1280*
—— for 17-KS in urine, 922*
—— for neutral urinary steroids, 903*
—— for potency of extravascular ACTH preparations, 846†
—— for rapid chromatographic sep. & ident. of adrenocortical steroids, 1542*
—— for simult. measurement of exchangeable Na & K spaces, 840†
—— formulae for conversion of urinary smear to vaginal smear values, & vice versa, 263*
—— β-glucuronidase hydrolysis used in method for 17-OH-CS & 17-KS; clinical application, 1445*
—— hydrolysis of 17-KS conjugates in urine, 1544*
—— improved, for urinary 17-KS, 581*
—— improvement in technique of epilation by electrocoagulation, 451*
—— instrumentation for measurement of I^{131} in thyroid & body fluids, 210*
—— menopausal & amenorrheal indices for clinical evaluation of estrogens, 688*
—— microspectrophotometric technique for indentif'n of C-19 steroids, 877†
—— new; for rapid chromatographic identif'n of cortical steroids, 847†
—— of administration compared: *see* under substance involved
—— paper chromatography of pregnanediol & related compounds, 1206*
—— quant. fluorometry of estrogen mixtures, 877†
—— reflectance spectrophotometry for study of skin pigmentation, 243*
—— separation of 17-KS in 24-hour urine, 568*
—— simplified technique for diagnosis of hyperthyroidism (1-hour uptake of oral I^{131}), 221*
—— standardization of ACTH; inadequacy of, 165*
—— the determination of urinary 17-KS 1009*
METHYLANDROSTENEDIOL (MAD): *see* Androgens
METHYLTESTOSTERONE: *see* Androgens
METHYLTHIOURACIL: *see* Thiouracil
MINNESOTA, University of: *see* Endocrine Society, Postgraduate Assembly
MONOBENZYL ether of stilbestrol: *see* Estrogens
MULTIPLE adenomas: *see* Adenomas; and under organ involved

MYXEDEMA: *see* Thyroid disorders, hypothyroidism

NEGRO
—— Addison's disease with eosinopenia in, 791*
NEOMERCAZOLE: *see* Carbethoxythio-1-methylglyoxaline
NEOPLASMS: *see also* Cancer; Tumors; and under organ involved
—— multiglandular adenomas, 20*, 1129*
—— neoplastic human prostate; metabolism of testosterone by, 948*
NEPHROSIS; NEPHROTIC SYNDROME: *see* Kidney
NERVOUS SYSTEM: *see also* Brain; Mental
—— cerebrospinal fluid in thyroid disease; protein content of, 457*
—— convulsions, chronic hypoglycemia & rare dwarfism; endocrine therapy, 283*
—— ganglion blocking agents: *see* Tetraethylammonium
—— motor disturbances in rabbits, from DCA & salt, 300*
—— tetany: *see* Calcium; Parathyroid
NEW YORK ACADEMY OF MEDICINE, Annual Graduate Fortnight, 890
NITROGEN: *see also* Protein
—— balance; effect of hormones on, in elderly patients, 534*
—— balance; effect of MAD on, 704*
—— balance; effect on, of K & ACTH, 392*
—— metabolism in boy & girl with primary gonadal insufficiency, 1480*
—— radioactive: *see* Radioactive
—— urinary; changes in during stress; relation to thyroid function, 881†
NOTICES: *see* Announcements
NUTRITION: *see also* Growth; Vitamins
—— diet; effect on hyaluronidase spreading reaction in adrenalect'd rat, 844†
—— dietary factors; effect on adrenal wt. & cholesterol conc., 874†
—— starvation; effect on iron storage in rat, 844†

OBESITY: *see* Fat; and associated with various endocrine disorders
OBITUARY: Frank H. Lahey, 1434
OFFICERS of the Endocrine Society: *see* Endocrine Society
OSTEOPOROSIS: *see* Bone
OVARY: *see also* Breast; Estrogens; Gonadotropins; Hermaphrodism; Menstruation; Pregnancy; Progesterone; Sex; Sterility; Uterus
—— amenorrhea: *see also* Menstruation; Pregnancy
OVARY (*cont.*)
—— climacteric: *see* Climacteric
—— disorders of: *see also* Questions & Answers
—— embryonic transplants of, in rat, 330*
—— function of; effect of hog gonadotropin & antihormones on, 834†
—— gonadal insufficiency, primary, in girl; effect of estrogens, 1480*
—— gynecology; estrogen therapy in, 1428*
—— hilus (Leydig-like) cells of; influence of CG on, 139*
—— hypo-ovarian states; effect of ACTH in, 181*
—— in 2 unusual cases of female pseudohermaphrodism, 783*
—— luteoma; urinary neutral steroids in, 903*
—— menopause: *see* Climacteric
—— menstrual disorders: *see* Menstruation
—— oophorectomized women; pregnanediol excretion in, following progesterone, 1043*
—— ovarian disorders; vaginal *vs.* urinary smears in; statistical study, 263*
—— ovarian failure, primary; effect of estrogen, 1551*
—— ovulation: *see also* Menstruation
—— preparations of: *see* Estrogens; Progesterone; Steroids; Questions & Answers
—— pseudohermaphrodism: *see* Hermaphrodism
—— stimulation of, by gonadotropins: *see* Gonadotropins
—— therapy of ovarian disorders: *see* Estrogens: Gonadotropins: Progesterone
—— tumor, containing Leydig cells, associated with endometrial hyperplasia, postmenopausal, 1254*
—— Turner's syndrome; stigmata of, in woman with regular menstrual rhythm, 1548*
OVULATION: *see* Menstruation; Ovary; Pregnancy
OXYGEN utilization: *see* Basal metabolism

PANCREAS: *see also* Carbohydrate metabolism; Diabetes; Insulin
—— adenoma of islets, in cases of multiple endocrine adenomas, 20*
—— alpha cells; consequences of selective destruction of, 863†
—— pancreatectomy, total; metabolic observations following, 862†
—— tumors of; hypoglycemia, 587*
PANHYPOPITUITARISM: *see* Pituitary disorders

PARAHYDROXYPROPIOPHENONE: *see* *p*-Hydroxypropiophenone
PARATHYROID: *see also* Calcium; Thyroid
—— adenomas of, in cases of multiple endocrine adenomas, 20*
—— and pituitary adenomas; persistent hypophosphatemia after cure of hyperparathyroidism, 1129*
—— disorders of: *see also* Questions & Answers
—— hyper- & hypoparathyroidism; response to i.v. calcium in, 1*
—— hyperparathyroidism; spont. remission due to necrosis of adenoma; incidence of necroses, 997*
—— hyperparathyroidism with unusual manifestations, 733*
—— hypoparathyroidism, idiopathic, & chronic adrenal insufficiency, 1264*
—— hypoparathyroidism, refractory to antitetanic therapy, 519*
—— parathyroid extract; effect on decalcified bone matrix & on serum polysaccharides, 860†
—— parathyroid hormone & vitamin D; interaction on renal excretion of phosphate, 271*
PENIS: *see* Androgens; Gonadotropins; Hermaphrodism; Testis
PERITONEAL FLUID, as site for study of endocrine effects on blood cells, 850†
PERSONALITY: *see* Mental
PHENOBARBITAL and Itrumil; additive toxic effects of, 1128*
PHOSPHATASE: *see* Enzymes
PHOSPHOLIPIDS: *see* Phosphorus
PHOSPHORUS: *see also* Bone; Parathyroid
—— and alk. phosphatase of serum in 2 unusual cases of hyperparathyroidism 733*
—— balance; effect of large doses of K on, 392*
—— hypophosphatemia, persistent, after cure of hyperparathyroidism, 1129*
—— (labelled) metabolism of liver, and the adrenal, 871†
—— metabolism in refractory case of hypoparathyroidism, 519*
—— of serum, in primary gonadal insufficiency, 1480*
—— phosphate; renal excretion of; interaction of vitamin D & parathyroid hormone on, 271*
—— response of, to i.v. calcium in parathyroid disease, 1*
—— urinary; effect of parathyroid extract on, in hypoparathyroidism with Addison's dis., 1264*
PIGMENT: *see also* Addison's disease
—— bilirubin of serum, in study of effect of ACTH or cortisone on circ'g KL antibody, in hepatitis, 648*
—— of skin, in relation to adrenocortical function; methods for study, 243*
—— pigmentation of nipples following stilbestrol therapy, 1551*
PITUITARY: *see also* Gonadotropins
DISORDERS
—— adenoma (chromophobe) of, assoc'd with parathyroid adenoma; persistent hypophosphatemia, 1129*
—— adenoma of, in cases of mult. endocrine adenomas, 20*
—— anterior pituitary insufficiency following skull fracture, 1283*
—— Cushing's syndrome: *see* Cushing's syndrome
—— deficiency; incidence of, following postpartum hemorrhage or shock, 884†
—— disorders: *see also* Questions & Answers
—— hypopituitarism; epinephrine *vs.* norepinephrine in effects on eosinophils, 1226*
—— hypopituitarism; response to i'v. ACTH test in, 604*
—— insufficiency; hypoglycemia in, 587*
—— panhypopituitarism (Sheehan's syndrome) & arthritis, 1118*
—— panhypopituitarism in female dwarf treated with MAD, 189*
—— rare dwarfism, 283*
—— TSH-deficiency hypothyroidism with no other signs of hypopituitarism, 795*
GONADOTROPINS: see Gonadotropins
HORMONES: *see* Gonadotropins; and Pituitary preparations & compounds
PHYSIOLOGY & PATHOLOGY
—— electrocoagulation of, in treatment of Cushing's syndrome, 1101*
—— hypophysectomy in frog larvae; effect on adrenal cortex, 316*
—— hypothalamic - pituitary - adrenal system; inadequacy of epinephrine as activator of, 123*, 125*
—— inhibitor, 835†
—— need for inhibitor of gonadotropic activity of, 739*
—— pituitary-thyroid-adrenal relationship; effect of cold on, 872†
—— pituitary-thyroid interaction; influence of cortisone on, 854†
—— stimulation of, by hypothalamus fractions, 859†
—— x-radiation of, for Cushing's syndrome, 154*

PITUITARY (*cont.*)
PHYSIOLOGY & PATHOLOGY (*cont.*)
—— x-ray therapy of, for malignant exophthalmos, 1090*
PREPARATIONS & COMPOUNDS
—— ACTH: *see* separate category
—— FSH: *see* Gonadotropins
—— gonadotropic hormone: *see* Gonadotropins
—— adrenal growth factor, distinct from ACTH, 842†
—— antidiuretic substances, 64*, 769*
—— growth hormone: *see also* Growth
—— growth hormone & CH metabolism, 864†
—— growth hormone, crystalline; metabolic effects of, in man, 865†
—— growth hormone preparations; effect in human subjects, 861†
—— interstitial-cell-stimulating hormone; normal or low, in "fertile eunuchs," 489*
—— TSH: *see* separate category
Adrenocorticotropic Hormone (ACTH): see also Adrenal physiology
—— ACTH-adrenal steroid response test; evaluation in children, 850†
—— adrenocorticosteroids in human adrenal vein blood after injection of ACTH, 1546*
—— and cortisone; effect on EEG, 1070*
—— and cortisone therapy of acute nonsupp. thyroiditis, 1332*
—— assay of, based on 17-OH-CS excretion, 846†
——, cortisone & compound F; differences in effect of, on thyroid, 878†
—— effect in Addison's disease with eosinopenia, 791*
—— effect in nephrosis; chemical corticoids & salt-retaining factor, 1157*
—— effect in rare dwarfism, 283*
—— effect on adrenocortical adenoma in Cushing's syndrome, 870†
—— effect on circ'g KL antibody in acute hepatitis, 648*
—— effect on eosinophils in juvenile diabetics, 753*
—— effect on eosinophils, Na, K & 17-KS in adrenalect'd patients, 873†
—— effect on gonads of rat, 330*
—— effect on 17-hydroxycorticosteroid excretion & eosinophils, 843†
—— effect on *in vitro* adrenocortical steroid synthesis, 848†
—— effect on K exchange in RBC, 872†
—— effect on N balance & clinical state in the elderly, 534*
—— effect on urinary 17-OH-corticosteroids & 17-KS, 1445*
—— effects of: *see also* Questions & Answers
—— eosinopenic response to; effect of TEAB, 1122*
—— evaluation of, 120*
—— highly purified; differential i.m. inactivation of, 870†
—— in Addison's disease; effect on corticosteroids & electrolytes, 48*
—— in hypo-ovarian states, 181*
—— in treatment of leukemia; effect on ur. adrenocorticosteroids, 1542*
—— influence of K on effects of, 392*
—— i.v. ACTH test in clinical practice, 604*
—— i.v.; effect of, with & without epinephrine, 73*
—— i.v.; effect on ascorbic acid & SH of blood, 662*
—— of blood, in man, 891*
—— plus epinephrine; effect on blood 17-OH-CS, 629*
—— protein catabolic effect of, counteracted by MAD, 704*
—— response to, in TSH-deficient hypothyroidism, 795*
—— simult. administration with cortisone or hydrocortisone; effects, 869†
—— therapy, in study of adrenocortical function in nephrotic syndrome, 1169*
—— variations in potency of; inadequacy of standardization, 165*
Thyrotropic Hormone (TSH): see also Thyroid, disorders, physiology
—— and I^{131}; effect of, on thyroid cancer metastases during thyroid medication, 1391*
—— clinical & basal metabolic effects of, 457*
—— control of secretion of, in intraocular pituitary transplants, 855†
—— deficiency of, as cause of hypothyroidism, 795*
—— effect on I^{131} collection in chick embryo thyroid, 88*
—— effect on metabolism of I^{131}, 880†
—— extrathyroidal effects of, 857†
—— of serum, in hypothyroidism, 1422*

PITUITARY (*cont.*)
PREPARATIONS & COMPOUNDS (*cont.*)
Thyrotropic Hormone (*cont.*)
—— of serum, in thyroidect'd rats; effect of NaI, thyroxine & cortisone on, 854†
—— role in production of exophthalmos, 818*
—— used in diagnosis of equivocal hypothyroidism, 855†
PITFALLS of clinical research, 231*
PLACENTA: *see* Pregnancy
—— chorionic gonadotropin from: *see* Gonadotropins
POLYSACCHARIDES: *see* Carbohydrate metabolism
POSTGRADUATE
—— courses: *see* Courses
—— symposiums & meetings: *see* Announcements
POTASSIUM: *see also* Electrolytes
—— and Na spaces, exchangeable; simult. measurement of, 840†
—— excretion; effect of epinephrine on, 1082*
—— large intake of; influence on effects of ACTH, 392*
PRECOCITY
—— sexual, in 5-year-old boy with IC tumor of testis, 1248*
—— sexual: *see also* Adrenal disorders; Ovary; Testis
PREGNANCY: *see also* Breast; Estrogens: Gonadotropins: Menstruation; Pituitary; Pregnanediol; Ovary; Progesterone; Sterility
—— after successfully treated Cushing's syndrome, 1101*
—— effect on pattern of urinary estrogens, 674*
—— effects: *see also* Questions & Answers
—— 17-hydroxycorticosteroids of blood in, 898*
—— in case of hypoparathyroidism refractory to antitetanic therapy, 519*
—— metabolism of isotopic estrone in, 847†
—— ovarian hilus cells in, 139*
—— postpartum shock or hemorrhage; incidence of endocrine dysfunction following, 884†
—— pregnanediol in: *see also* Pregnanediol
—— studies in toxemia of; effect of DCA on hemodynamics & electrolyte balance, 1030*
—— tests: *see also* Methods
—— toxemia in rabbits; simulation of, in rabbits, with DCA, 300*
—— urinary gonadotropin in, 837†
PREGNANEDIOL: *see also* Estrogens; Progesterone; Pregnancy
—— and pregnantriol, urinary, in adrenocortical hyperplasia; suppression with cortisone, 847†
—— and related compounds; paper chromatography of, 1206*
—— conversion to, of i.v. progesterone (in human female), 1213*
—— determination of, using *allo*-pregnane-3(β), 20(β)-diol standard, 465*
—— excretion; effect of ACTH on, in hypo-ovarian states, 181*
—— excretion, following progesterone administered by various routes, to females & males, 1043*
—— excretion in female with adrenogenital syndrome, 1109*
—— failure to interfere with action of progesterone, 203*
PREGNENOLONE
—— absorption of, from implanted pellets in g.pig, 1201*
—— as key steroidal intermediate, in formation of adrenal hormones and urinary Δ^5-3β-hydroxy metabolites, 1140*
PROGESTERONE: *see also* Estrogens; Menstruation; Pregnancy; Pregnanediol; Steroids
—— absorption of, from implanted pellets in g.pig, 1201*
—— and methyltestosterone, orally, in control of menometrorrhagia, 868†
—— by various routes; pregnanediol excretion following, in males & females, 1043*
—— disappearance from blood following i.m. & i.v. administration, 849†
—— effect on 17-KS and amenorrhea in adrenogenital syndrome, 1109*
—— effect on lactic dehydrogenase-DPNH oxidase system, 835†
—— effect on thyroidal I^{131} uptake, 712*
—— effects of: *see also* Questions & Answers
—— in untreated blood; validity of Hooker-Forbes test for, 203*
—— i.v.; conversion to pregnanediol in human female, 1213*
—— pregnanediol: *see* Pregnanediol
—— used in determination of amenorrheal index, 688*
PROGRAMS: *see* Endocrine Society; and Laurentian Hormone Conference
PROPYLTHIOURACIL: *see* Thiouracil
PROSTATE: *see also* Androgens; Gonadotropins; Testis
—— and uterus; quant. aspects of regression of, following hormonal depriva-

PROSTATE (*cont.*)
tion, in rat, 832†
—— cancer of; endocrine therapy, 228*, 375*, 383*
—— carcinoma of, in castrated totally adrenalect'd patient maintained on cortisone & glycyrrhizin; 17-KS in, 1064*
—— neoplastic; metabolism of testosterone by, 948*
PROTEIN: *see also* Nitrogen
—— amino acid incorporation; effect of estrogen pretreatment on, 836†
—— amino acids, infused; rate of disappearance from plasma in Addison's disease, 429*
—— anabolic activity, prolonged, of certain esters of testosterone, 832†
—— anabolic effect of MAD, 189*
—— *l*-cystine and/or ascorbic acid; effect on urinary steroids, 436*
—— in study of pyrimidine metabolism with N^{15} uracil, 1021*
—— ingested, and tyrosine; effect on eosinophils, 1502*
—— of c.s. fluid, in thyroid disease, 457*
—— of plasma, in rabbit; effect of DCA on, 300*
—— metabolism; effect of MAD on, 704*
—— metabolism in nephrotic syndrome; effect of ACTH, 1169*
—— protein-bound iodine of blood: *see* Iodine
—— thymol turbidity test in study of effect of ACTH or cortisone on circ'g KL antibody, in hepatitis, 648*
PSEUDOHERMAPHRODISM: *see* Hermaphrodism
PSYCHOSES; PSYCHOSOMATIC DISORDERS: *see* Brain; Mental; Nervous system
PUBERTY
—— normal: *see* Ovary; Testis
—— precocious: *see* Adrenal; Ovary; Testis
PUBLICATIONS COMMITTEE: *see* Endocrine Society
PYRIMIDINE METABOLISM in normal man, studies with N^{15} uracil, 1021*

QUESTIONS & ANSWERS: 130, 234, 377, 476, 617, 742, 825, 1011, 1149, 1294, 1432, 1559

RABBIT toxemia of pregnancy; simulation of, in rabbits, with DCA, 300*
RADIATION: *see* Radioactive; and Roentgen-ray
RADIOACTIVE
—— C^{14} labelled glucose & fructose; utilization by diabetic rat liver slices, 862†
RADIOACTIVE (*cont.*)
—— estrone; metabolism of, in pregnancy, 847†
—— iodine: *see* Iodine, radioactive
—— N^{15} uracil, in study of pyrimidine metabolism 1021*
—— phosphorus, in study of hepatic phospholipid metabolism & the adrenal, 871†
—— sodium, in study of nephrosis, 1157*
—— thyroid hormone: *see* Thyroid, preparations & compounds
RADIOIODINE: *see* Iodine, radioactive
RATS; reproductive system of; relation of adrenal cortex secretions to, 330*
RECIPIENTS of Awards & Fellowships: *see* Endocrine Society; Amer. Goiter Association
RENAL: *see* Kidney
REPRODUCTION: *see* Menstruation; Ovary; Pregnancy; Sterility; Testis
REVIEW, endocrine, 587*
RHEUMATOID ARTHRITIS: *see* Arthritis
RICKETS: *see* Bone
ROENTGEN-RAY THERAPY
—— following radical neck dissection, for thyroid cancer, 1408*
—— for Cushing's syndrome, 154*
—— of pituitary, in treatment of malignant exophthalmos, 1090*
—— of thyroid disorders: *see also* Thyroid disorders

SALT: *see* Chloride; Electrolytes; Sodium
SCHERING FELLOWSHIP: *see* Endocrine Society, awards
SEMEN: *see* Testis; Sterility
SEMINAL VESICLES: *see* Prostate; Testis
SEX: *see also* Androgens; Estrogens; Gonads; Hermaphrodism; Ovary; Testis
—— differentiation in the frog; effect of estrogens, 316*
—— distribution, in thyroid cancer *vs.* benign nontoxic nodular goiter, 1530*
—— effect on mineral composition of thermal sweat, 773*
—— influence on excretion of acid load by adrenalect'd rats, 872†
SEXUAL
—— abnormalities; diagnosis of, 369*
—— precocity in a 5-year-old boy with IC tumor of testis, 1248*
—— precocity: *see also* Adrenal disorders; Ovary; Testis
SHOCK: *see* Stress
SJÖGREN'S SYNDROME: *see* Syndrome
SKIN
—— acne & hirsutism; ethinyl estradiol therapy for, 809*
—— pigmentation: *see* Addison's disease;

SKIN (*cont.*)
and Pigment
SMEARS
—— blood: *see* Blood, cells
—— cervical mucus, for crystallization test, in amenorrhea, 974*
—— vaginal: *see* Climacteric; Estrogens; Menstruation; Ovary
—— urinary: *see* Urine
SODIUM: *see also* Chloride; Electrolytes
—— and K spaces, exchangeable; simult. measurement of, 840†
—— excretion; effect of epinephrine on, 1082*
—— radioactive, in study of salt-retaining factor & corticoids in nephrosis; effect of ACTH, 1157*
—— salt & water metabolism in acute adrenal insufficiency, 841†
—— salt-retaining effects of corticosterone, in man, 841†
SPERMATOZOA: *see* Testis; Sterility
SPLEEN: hypersplenism, pancytopenic, in 2 siblings with primordial dwarfism, 883†
SQUIBB AWARD: *see* Endocrine Society, awards
STARVATION: *see* Nutrition
STERILITY: *see also* Menstruation; Pregnancy; Ovary; Testis
—— award for research in: Am. Soc. Study Sterility, 1444
—— cases in which hormone assays are of value, 869†
—— hypogonadism with spermatogenesis, 489*, 510*
—— problems; pitfalls of research in, 231*
—— treatment of: *see also* Questions & Answers
STEROIDS
—— alpha-ketolic; conversion of cortisone acetate to, 48*
—— androgens: *see also* Androgens
—— C-19 steroids; microspectrophotometric technique for indentif'n of, 877†
—— C-21 steroids, various; identif'n of, by paper chromatography, 1206*
—— corticoids, corticosteroids: *see also* Adrenal preparations & compounds
—— cortisone: *see also* Adrenal preparations & compounds, cortisone
—— cortisone, exogenously administered; excretion of, 849†
—— determination of: *see also* Methods
—— estrogens: *see* Estrogens
—— excretion of, in Cushing's syndrome; effect of high-fat diet, 873†
—— formaldehydogenic; methods for determination of, by diffusion & by direct reaction, 1465*
STEROIDS (*cont.*)
—— metabolic precursors of urinary dehydroisoandrosterone, 1140*
—— neutral, urinary, in case of ovarian luteoma, 903*
—— progesterone: *see* Progesterone
—— steroidal & nonsteroidal estrogens; clinical evaluation of, 688*
—— studies; metabolic effect of androstanol-17β-one-3 in aged people, 876†; and in agonadal obese male, 877†
—— urinary; analysis of, following glucuronidase hydrolysis, 928*
—— various; absorption of, from implanted pellets, in g.pig, 1201*
17-KETOSTEROIDS
—— of plasma, neutral; technique of estimation, 941*
Urinary
—— chemical method for, following β-glucuronidase hydrolysis, 911*
—— clinical application of method employing β-glucuronidase hydrolysis; diurnal variation, 1445*
—— determination of, 1009*
—— effect of ACTH & epinephrine on, 73*; (after adrenalectomy), 873†
—— effect of ACTH on in hypoovarian states, 181*
—— effect of ascorbic acid and/or *l*-cystine on, 436*
—— effect of DCA on, in normal pregnancy, 1030*
—— effect of epinephrine on, 629*
—— effect of K & ACTH on, 392*
—— effect of MAD on, 704*
—— excretion: *see also* Questions & Answers
—— hydrolysis of conjugates of, 1544*
—— improved method for determination of, 581*
—— in case of pituitary & parathyroid adenoma, 1129*
—— in congenital adrenal hyperplasia; effect of cortisone, 724*
—— in Cushing's syndrome; effect of pituitary electrocoag. on, 1101*
—— in Cushing's syndrome treated by bilat. hemiadrenalectomy, 154*
—— in hyperadrenocorticism, 674*
—— in hypogonadism with spermatogenesis, 128*, 489*, 510*
—— in idiopathic hirsutism; effect of cortisone on, 1054*
—— in infant female pseudohermaphrodite, 783*
—— in primary gonadal insufficiency in boy & girl, 1480*

STEROIDS (*cont.*)
17-KETOSTEROIDS (*cont.*)
Urinary (*cont.*)
—— in sexually precocious boy with IC tumor of testis, 1248*
—— in standardization of ACTH, 165*
—— in study of adrenocortical function in nephrotic syndrome, 1169*
—— in totally adrenalect'd cancer patients maintained on cortisone & glycyrrhizin, 1064*
—— in TSH-deficiency hyperthyroidism, 795*
—— in woman with stigmata of Turner's syndrome and reg. menstrual rhythm, 1548*
—— in women treated with chor. gonadotropin, 139*
—— increased, in 4 cases of adrenal tumor, 415*
—— methods for determination of, 922* (*see also* Methods)
—— quant. effect of cortisone & other preps. on, in adrenogenital syndrome, 1109*
—— response to i.v. ACTH test, 604*, 614*
—— separation of, in 24-hour urine, 568*
STILBESTROL: *see* Estrogens
STRESS
—— adrenal cortical response to, 843†
—— cold: *see* Temperature
—— fracture of skull; pituitary insufficiency following, 1283*
—— infection; corticoid response to, in nephrosis, 1157*
—— influence of, on action of cortisone, 843†
—— injury & diet; effect on adrenal wt. & cholesterol conc., 874†
—— metabolic response to; role of adrenal cortex in, 1555*
—— shock, postpartum; incidence of endocrine dysfunction following, 884†
—— urinary N changes during; relation to thyroid function, 881†
—— work; effect on mineral composition of thermal sweat, 773*
STRUMA: *see* Thyroid disorders
SUBJECT INDEX to Volume 13, 1578
SUGAR: *see* Carbohydrate metabolism; Diabetes; Insulin; Pancreas
SULFAMERAZINE: see Sulfur
SULFHYDRYL: *see* Sulfur
SULFUR: *see also* Mercaptoimidazole; Thiouracil
—— *l*-cystine: *see* Protein
—— sulfamerazine; behavior cycles produced in rats by, 857†
—— sulfate, urinary, in study of effect of epinephrine on pH & electrolyte excretion, 1082*
—— sulfhydryl & ascorbic acid in blood; effect of i.v. ACTH on, 662*
SUPRARENAL: *see* Adrenal
SURGERY: *see* Stress; and under various endocrine disorders
SWEAT, thermal; mineral composition of, in healthy person, 773*
SYNDROME
—— adrenogenital: *see* Adrenal disorders
—— Cushing's: *see* Cushing's syndrome
—— Fröhlich's: *see* associated with Ovary, Testis & Pituitary disorders, hypogonadism
—— hypoandrogenic: *see* Androgens; Testis
—— menopausal: *see* Climacteric
—— nephrotic: *see* Kidney
—— Sheehan's: *see* Pituitary disorders
—— Sjögren's; oral cortisone in treatment of, 883†
—— Turner's: *see* Ovary

TABLE OF CONTENTS, volume 13, i—Dec.
TACE: *see* Estrogens
TAPAZOLE: *see* Mercaptoimidazole
TEACHING CLINICS, 228*, 369*, 469*, 604*, 733*, 813*, 997*, 1132*, 1283*, 1422*, 1551*
TEMPERATURE
—— basal body; correlation with endometrial biopsy, in study of ovulation time, 868†
—— cold; effect on pituitary-thyroid-adrenal relationship, 872†
TERRAMYCIN: effect on N balance in the elderly, 534*
TESTIS: *see also* Androgens; Gonadotropins; Hermaphrodism; Prostate; Steroids
—— agonadal, obese male; metabolism of androstanol-17β, 3-one in, 877†
—— castrate; nature of adrenocorticosteroids in adrenal vein blood of, 1546*
—— castrated, totally adrenalect'd male with prostatic cancer, maintained on cortisone & glycyrrhizin; 17-KS in, 1064*
—— castration in treatment of prostatic cancer, 228*, 375*, 383*
—— changes produced in, by estrogens, 867†
—— congenital testicular deficiency, 408*
—— disorders of, secondary to hypopituitarism: *see also* Pituitary disorders

TESTIS (*cont.*)
—— disorders of: *see also* Questions & Answers
—— effect on, of suppression of adrenal hyperplasia by cortisone, 834†
—— embryonic transplants, in rat; androgens produced by, 330*
—— hypoandrogenic syndrome with normal spermatogenesis, 128*
—— hypogonadism, in pituitary insufficiency following skull fracture (biopsy), 1283*
—— hypogonadism with spermatogenesis, 489*, 510*
—— interstitial cell tumor of, in 5-year-old sexually precocious boy, 1248*
—— Leydig cells in ovarian tumor, 1254*
—— Leydig-like cells of ovary; influence of CG on, 139*
—— macrogenitosomia precox: *see also* Adrenal disorders
—— male gynecomastia: *see also* Breast
—— orchiectomy; effect on prostatic tissue aldolase, 383*
—— pathologic, human; hypogonadism; elastic fibers of tunica propria in, 833†
—— preparation & compounds; *see also* Androgens; Steroids; and Questions & Answers
—— primary gonadal insufficiency in boy; metabolic effect of testosterone, 1480*
—— pseudohermaphrodism: *see* Hermaphrodism
—— spermatogenesis in hypogonadism, 489*, 510*
—— spermatogonia in case of congenital testicular deficiency, 408*
—— steroid excretion: *see also* Steroids
—— stimulation of, by gonadotropins: *see* Gonadotropins
—— young men; pattern of 17-KS excretion in, 568*
TESTS: *see also* Methods; Pregnancy
—— ACTH test for adrenal function: *see* Adrenal compounds; and Pituitary preparations & compounds, ACTH
—— calcium tolerance test, 861†
—— cervical mucus crystallization test, in amenorrhea, 974*
—— for androgen, 330*
—— for pregnancy: *see* Pregnancy
—— for thyroid function: *see* Thyroid; and Iodine, radioactive
—— Hooker-Forbes, for progesterone in untreated blood; validity of, 203*
—— insulin tolerance: *see* Insulin
—— sugar tolerance: *see* Carbohydrate metabolism
TESTOSTERONE and compounds; *see* Androgens; Steroids
TETANY: *see* Calcium; Parathyroid
TETRAETHYLAMMONIUM
—— bromide (TEAB); effect on eosinopenic response to epinephrine & ACTH, 1122*
—— chloride (TEAC); response to, in DCA-treated pregnant women, 1030*
THIOURACIL: *see also* Antithyroid drugs; Iodine; Thyroid
—— effect on metabolism of I^{131}, 880†
—— Itrumil (iodothiouracil); phenobarbital; additive toxic effects of, 1128*
—— propylthiouracil in hyperthyroidism; 5-year follow-up, 1507*
—— propylthiouracil-treated hyperthyroidism; serum I^{131} in, after diagnostic tracer, 980*
THYMOL turbidity: *see* Protein
THYMUS weight response, in bioassay of adrenal corticoids, 845†
THYROID: *see also* Antithyroid drugs; Iodine; Thiouracil
DISORDERS
—— cancer metastases; treatment with TSH & I^{131} during thyroid medication, 1391*
—— cancer; present-day problem, 1408*
—— cancer; study & treatment of, with radioiodine: *see also* Iodine, radioactive
—— carcinoma; relation to nodular goiter; treatment, 1530*
—— carcinoma: unique serum iodine component in, 852†
—— carcinoma: uptake of I^{131} by; 128 cases, 1378*
—— disease: *see also* Questions & Answers
—— Goiter Association: *see* American Goiter Association
—— goiter, endemic; cabbage & turnips as cause of, 882†
—— goiter, endemic; summary of 1952 WHO Conference on, 1270*
—— goitrous rats; influence of cortisone on pituitary-thyroid interaction in, 854†
—— hemangioendothelioma of, 801*
—— nodular goiter; evolution of, 1232*
—— simple goiter; treatment with thyroid, 1312*
—— thyroid disease; uptake of stable I *vs.* serum PBI in, 1358*
—— thyroidectomy; bilat. paralysis of vocal cords following; symptoms, diagnosis & treatment, 1416*
—— thyroiditis; acute, nonsupp.; ACTH & cortisone therapy of; tests with I^{131}, 1332*
—— thyroiditis; effects of cortisone in, 857†

THYROID (*cont.*)
DISORDERS (*cont.*)
Hyperthyroidism (*exophthalmic goiter, Graves' disease, thyrotoxicosis, toxic adenoma*)
—— additive toxic effects of phenobarbital & Itrumil in, 1128*
—— and gynecomastia (male), 1126*
—— diagnosis of, by 1-hour uptake of oral I^{131}, 221*
—— exophthalmos: *see also* Eyes
—— Graves' disease; the exophthalmos of, 818*
——histologic; functional effects of I^{131} therapy in, 548*
—— I^{131} study of fate of thyroid autotransplants in, following radical thyroidectomy, 1347*
—— I^{131} therapy for; histologic lesions in thyroid gland following, 1513*
—— malignant exophthalmos and postoperative hypothyroidism, as complications of, 1132*
—— malignant exophthalmos; pituitary x-ray treatment of, 1090*
—— present status of treatment, 457*
—— protein content of c.s. fluid in, 457*
—— serum conc. of I^{131} in, after diagnostic tracer, 980*
—— therapy of, with I^{131}; blood level as guide to, 1369*
—— thyroid-stimulating, or thyrotropic hormone (TSH) in: *see also* Pituitary preparations & compounds, TSH
—— thyrotoxicosis; psychosomatic aspects of, 473*
—— toxic goiter; treatment with I^{131}, 107*
—— treated with 2-carbethoxythio-1-methylglyoxaline, 1305*
—— treated with propylthiouracil; 5-year follow-up, 1507*
—— treatment of, with mercaptoimidazole; critical evaluation, 879†
—— type of; relation to post-treatment myxedema, 95*, 107*
Hypothyroidism (*cretinism, myxedema*)
—— assay of *l*-triiodothyronine in, 1341*
—— comparative calorigenic effects of *l*-triiodothyronine & *l*-thyroxine in, 852†
—— cretinism, sporadic; etiologic factors in 90 cases, 881†
—— diagnosis of; serum PBI as aid, 1422*

THYROID (*cont.*)
DISORDERS (*cont.*)
Hypothyroidism (*cont.*)
—— due to TSH deficiency; effect of I^{131} & TSH in, 795*
—— effect of pituitary growth hormone in, 861†
—— equivocal; use of TSH in diagnosis of, 855†
—— extrathyroidal effects of TSH in, 857†
—— following antithyroid drugs: *see also* Antithyroid drugs; Thiouracil
—— following therapy of hyperthyroidism with I^{131}, 107*, 1369*
—— high blood PBI^{131} in, 989*
—— induced; I^{131} therapy for thyroid cancer metastases during, 1391*
—— lag between clinical & metabolic changes in, 457*
—— localized myxedema & clubbing of fingers, in case of malig. exoph. complicating Graves' dis., 1132*
—— postoperative, after preoperative use of antithyroid drugs, 95*
—— therapy with thyroid compounds: *see also* Thyroid preparations & compounds
—— tolerance to exogenous thyroid substance in, 856†
—— with goiter; effect of thyroid therapy, 469*
PHYSIOLOGY & PATHOLOGY
—— autotransplants, human; fate of; I^{131} tracer study, 1347*
—— clinicopathologic studies: *see also* Thyroid disorders
—— function; effect of *p*-aminosalicylic acid on, 882†
—— function; relation to changes in urinary N during stress, 881†
—— function; studies of: *see also* Iodine, radioactive; Pituitary preparations, TSH; and Thiouracil
—— histologic & functional effects of I^{131} therapy, 548*
—— histologic lesions in thyroid gland after treatment of hyperthyroidism with I^{131}, 1513*
—— histologic pattern & I^{131} uptake in study of evolution of nodular goiter, 1232*
—— histology of thyroid carcinoma; autoradiograms, 1378*
—— hormone: *see also* Thyroid preparations
—— iodide requirements, 1270*
—— mean acinar cell ht. (MACH) in

THYROID (*cont.*)
PHYSIOLOGY & PATHOLOGY (*cont.*)
bioassay of serum for TSH in hypothyroidism, 1422*
—— measurement of radioactivity in; instrumentation for, 210*
—— microhistometric differences in effects of cortisone, comp. F & ACTH on, 878†
—— of chick embryo; time at which I^{131} collection begins; effect of TSH, 88*
—— physiology & therapy; changing concepts, 457*
—— radioiodine in the study of: *see also* Iodine, radioactive
—— thyroid-stimulating, or thyrotropic hormone (TSH): *see also* Pituitary preparations & compounds, TSH
—— uptake of I^{131}, effect of adrenal & gonadal steroids on, 712*
—— uptake of stable I *vs.* serum PBI, 1358*
PREPARATIONS & COMPOUNDS
—— desicc. thyroid & I in treatment of exophthalmos of Graves' disease, 818*
—— desicc. thyroid; effect of, in rare dwarfism, 283*
—— desicc. thyroid; effect on results of pituitary x-ray therapy for malig. exophthalmos, 1090*
—— desicc. thyroid therapy, in etiology of unusual case of Graves' disease, 1132*
—— desicc. thyroid; treatment of simple goiter with, 1312*
—— hormone, labelled; effect of altered function on metabolism of, 880†
—— hormone medication of thyroid cancer metastases; TSH & I^{131} administration during, 1391*
—— hormone; studies of, with radioiodine: *see also* Iodine, radioactive
—— thyroid substance; tolerance to, in myxedema, 856†
—— therapy; effect on N balance in the elderly, 534*
—— thyroid-stimulating, or thyrotropic hormone (TSH): *see* Pituitary preparations, TSH
—— thyroid therapy; effect on goiter in case of myxedema, 469*
—— thyroxine & NaI; effect on serum TSH in thyroidect'd rats, 854†
—— thyroxine & triiodothyronine; comparison of effects in thyroidect'd rats, 880†
—— thyroxine & triiodothyronine; effect on O_2 utilization by tissues *in vitro*, 851†
—— thyroxine blood level; effect on I^{131} uptake in mice with intraocular pituitary transplants, 855†
—— thyroxine molecule; effect of alterations in; triiodothyronine, 457*
—— thyroxine-induced increased O_2 consumption; effect of Dibenzyline on, 853†
—— *l*-triiodothyronine & *l*-thyroxine, i.v.; comparative calorigenic effects in myxedema, 852†
—— *l*-triiodothyronine; physiologic activity of, 1341*
—— unique serum iodine component in thyroid cancer, 852†
THYROIDITIS: *see* Thyroid disorders
THYROID-STIMULATING HORMONE (TSH): *see* Pituitary preparations & compounds, TSH
THYROTOXICOSIS: *see* Thyroid disorders, hyperthyroidism
THYROTROPIC HORMONE (TSH): *see* Pituitary preparations & compounds, TSH
THYROXINE: *see* Thyroid preparations & compounds
TISSUES: *see also* under specific organ involved
—— distribution of I^{131} in: *see* Iodine, radioactive
—— elastic fibers of tunica propia of normal & pathologic human testes, 833†
TOXIC ADENOMA; TOXIC GOITER: *see* Thyroid disorders, hyperthyroidism
TRAUMA: *see* Stress
TRIIODOTHYRONINE: *see* Thyroid preparations & compounds
TSH: *see* Pituitary preparations & compounds, TSH
TUMORS: *see also* Neoplasms; and under organ or form of treatment involved
—— adenomas, multiglandular, 20* 1129*
—— function of, studied by radioiodine: *see* Iodine, radioactive
—— virilizing: *see* Adrenal disorders; Cushing's syndrome; Virilism
TURNER'S SYNDROME: *see* Ovary, disorders
TURNIPS as cause of edemic goiter, 882†
TYROSINE: *see* Protein

UNIVERSITY of Minnesota: *see* Endocrine Society, Postgraduate Assembly
URACIL, N^{15}, used to study pyrimidine metabolism in normal man, 1021*
UREA: *see* Protein; Uracil
URINE: *see also* Kidney
—— adrenal metabolites in: *see* Adrenal preparations & compounds; Steroids

URINE (*cont.*)
—— androgens in: *see* Androgens; Steroids
—— antidiuretic substance in human serum; effect on, 64*, 769*
—— calcium in: *see* Calcium; Electrolytes; Parathyroid
—— chloride in: *see* Addison's disease; Chloride; Electrolytes; Sodium
—— chorionic gonadotropin in: *see* Gonadotropins; Pregnancy
—— corticosteroids (corticoids) in: *see* Adrenal preparations & compounds; Steroids
—— diuresis: *see also* Water
—— electrolytes in: *see* Electrolytes
—— estrogens in: *see* Estrogens; Steroids
—— FSH in: *see* Gonadotropins
—— gonadotropins in: *see* Gonadotropins; Pregnancy
—— in pregnancy: *see* Pregnancy
—— instrumentation for measuring I^{131} in, 210*
—— iodine compounds in: *see* Iodine
—— 17-ketosteroids in: *see* Steroids; Methods
—— methods for determination of constituents: *see* Methods; Tests
—— nitrogen in: *see* Nitrogen; Protein
—— pH and electrolytes of; effect of epinephrine on, 1082*
—— phosphorus in: *see* Phosphorus
—— potassium in: *see* Potassium; Electrolytes
—— pregnanediol in: *see* Pregnanediol
—— protein in: *see* Nitrogen; Protein
—— radioactive compounds in: *see* Radioactive
—— radioactive iodine in: *see* Iodine, radioactive
—— renal function: *see* Kidney
—— sediment; smears of, in syndrome of galactorrhea, amenorrhea & low FSH, 79*
—— sediment; smears of; statistical comparison with vaginal smears, 263*
—— sodium in: *see* Sodium; Chloride; Electrolytes
—— steroids in: *see* Steroids
—— sugar in: *see* Carbohydrate metabolism; diabetes; insulin
UTERUS & VAGINA: *see also* Ovary
—— and prostate of rat; quant. aspects of regression of, following hormonal deprivation, 832†
—— cervical carcinoma; study of conversion of progesterone to pregnanediol in, 1213*
—— cervical mucus in amenorrhea; crystallization test, 974*
—— endometrium: *see also* Menstruation
UTERUS & VAGINA (*cont.*)
—— intrauterine lesion, obscure, as cause of menorrhagia, 813*
—— menstruation: *see* Menstruation; Climacteric
—— placenta; chorionic gonadotropin: *see* Gonadotropins
—— pregnancy: *see* Pregnancy
—— vaginal smears: *see also* Climacteric; Estrogens; Menstruation; Ovary
— in determination of activity of monobenzyl ether of stilbestrol, 730*
— in study of efficacy of TACE, 258*
— versus urinary sediment smears, in endocrine practice; statistical study, 263*

VAGINA: *see* Uterus & Vagina
VAN METER PRIZE: *see* American Goiter Association
VASCULAR SYSTEM: *see also* Blood; Heart
—— blood pressure & cardiovasc. function following treatment of Addison's disease with DCTMA, 957*
—— blood pressure; effect of DCA on, in normal pregnancy; response to TEAC, 1030*
—— blood pressure: *see also* Addison's disease
—— degenerative vascular disease; relation to polysaccharides of serum, in diabetes, 866†
—— heart: *see* Heart
—— hemangioendothelioma of thyroid, 801*
—— hypertension from norepinephrine; evaluation of, 225*
—— menstruation: *see* Menstruation
VIRILISM
—— adrenogenital syndrome; & assoc'd with adrenal disease: *see* Adrenal disorders; Cushing's syndrome
—— increased urinary estrogen in, 415*
—— pseudohermaphrodism: *see* Hermaphrodism
VITAMINS
—— A, of serum, during menstrual cycle, 1192*
—— C; ascorbic acid & SH of blood; effect of i.v. ACTH on, 662*
—— C; ascorbic acid and/or *l*-cystine; effect on urinary steroids, 436*
—— C; ascorbic acid content of adrenals, in study of blood ACTH, 891*
—— C; ascorbic acid content of adrenals: *see also* Adrenal physiology
—— D, and parathyroid hormone; interaction on renal excretion of phosphate 271*

VITAMINS (*cont.*)
—— D; refractoriness to, in hypoparathyroidism, 519*
—— E; effect on menopausal & amenorrheal indices, 688*
VOCAL CORDS: bilat. paralysis of; symptoms, diagnosis & treatment, 1416*

WATER
—— and salt metabolism in acute adrenal insufficiency, 841†
—— antidiuretic activity of serum in health & disease, 64*
—— antidiuretic hormone antagonism, 859†
—— antidiuretic substance in human serum, 63*, 769*
—— edema of nephrosis: *see* Kidney, nephrosis
—— excretion; effect of epinephrine on, 1082*
—— fluid balance; effect of MAD & other hormones on, 189*
—— hydration following treatment of Addison's disease with DCTMA, 957*
WEIGHT (BODY): *see* Growth: Pituitary preparations, growth hormone; and changes in, associated with various endocrinopathies
WORK: *see* Stress
WORLD HEALTH ORGANIZATION; summary report of 1952 Conference on endemic goiter, 1270*

X-RAYS: *see* Roentgen rays